

Table 2
Surfacewater Analytical Data - Region 9
Upper Animas River

Analyte	CAS.NO	Units	Location	MECT	MECT	MECT	SJ4C	SJ4C	
			Sample ID	MECT-080915-11	MECT-081015-11	MECT-081115-11	SJ4C-080915-11	SJ4C-081015-11	
			Date	8/9/2015	8/10/2015	8/11/2015	8/9/2015	8/10/2015	
			Sample Time	17:05	14:15	13:45	15:20	15:05	
			Latitude	37.21846	37.21846	37.21846	36.99622	36.99622	
Longitude			-109.19081	-109.19081	-109.19081	-109.00468	-109.00468		
Metals, Dissolved									
Aluminum, Dissolved	7429-90-5	ug/L	--	62 J	< 24 U	< 24 U	< 24 U	28 J	
Antimony, Dissolved	7440-36-0	ug/L	--	< 0.4 U	< 0.4 UJ	< 0.4 U	< 0.4 U	< 0.4 UJ	
Arsenic, Dissolved	7440-38-2	ug/L	--	1.3	1.3	0.83 J	0.56 J	1	
Barium, Dissolved	7440-39-3	ug/L	--	85	85	68	76	68	
Beryllium, Dissolved	7440-41-7	ug/L	--	< 0.15 U					
Cadmium, Dissolved	7440-43-9	ug/L	--	< 0.043 U					
Calcium, Dissolved	7440-70-2	ug/L	--	160000	170000	48000	55000	48000	
Chromium, Dissolved	7440-47-3	ug/L	--	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	
Cobalt, Dissolved	7440-48-4	ug/L	--	0.5	0.45	0.75	< 0.12 U	1.3	
Copper, Dissolved	7440-50-8	ug/L	--	2.6	3 J+	1.9	1.7	2.4 J+	
Iron, Dissolved	7439-89-6	ug/L	--	17 J	< 17 U	< 17 U	< 17 U	68	
Lead, Dissolved	7439-92-1	ug/L	--	0.072 J	< 0.06 U	0.14 J	< 0.06 U	0.077 J	
Magnesium, Dissolved	7439-95-4	ug/L	--	68000	71000	5400	6800	5700	
Manganese, Dissolved	7439-96-5	ug/L	--	4.2	1.8 J	2.2 J	4.3	3.1	
Mercury, Dissolved	7439-97-6	ug/L	--	< 0.08 U					
Molybdenum, Dissolved	7439-98-7	ug/L	--	3	3.1 J-	1.7 J	1.9	1.9 J-	
Nickel, Dissolved	7440-02-0	ug/L	--	3.4	3.8	1	1	1.2	
Potassium, Dissolved	7440-09-7	ug/L	--	5400	5500	2800	2800	3000	
Potassium, Dissolved	9/7/7440	ug/L	--						
Selenium, Dissolved	7782-49-2	ug/L	--	1.3 J	< 0.58 U	1.4 J	1 J	< 0.58 U	
Silver, Dissolved	7440-22-4	ug/L	--	< 0.1 U					
Sodium, Dissolved	7440-23-5	ug/L	--	67000	70000	28000	24000	34000	
Thallium, Dissolved	7440-28-0	ug/L	--	< 0.1 U					
Vanadium, Dissolved	7440-62-2	ug/L	--	2.5	2.6	1.6	1	1.6	
Zinc, Dissolved	7440-66-6	ug/L	--	< 2.8 U					
Metals, Total									

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Aluminum, Total	7429-90-5	ug/L	--	Aluminum, Total	7429-90-5	ug/L	--	8600
Antimony, Total	7440-36-0	ug/L	--	Antimony, Total	7440-36-0	ug/L	--	< 0.4 UJ
Arsenic, Total	7440-38-2	ug/L	--	Arsenic, Total	7440-38-2	ug/L	--	4.1
Barium, Total	7440-39-3	ug/L	--	Barium, Total	7440-39-3	ug/L	--	180
Beryllium, Total	7440-41-7	ug/L	--	Beryllium, Total	7440-41-7	ug/L	--	0.53
Cadmium, Total	7440-43-9	ug/L	--	Cadmium, Total	7440-43-9	ug/L	--	0.13
Calcium, Total	7440-70-2	ug/L	--	Calcium, Total	7440-70-2	ug/L	--	190000
Chromium, Total	7440-47-3	ug/L	--	Chromium, Total	7440-47-3	ug/L	--	5.9
Cobalt, Total	7440-48-4	ug/L	--	Cobalt, Total	7440-48-4	ug/L	--	3.6
Copper, Total	7440-50-8	ug/L	--	Copper, Total	7440-50-8	ug/L	--	9.6
Iron, Total	7439-89-6	ug/L	--	Iron, Total	7439-89-6	ug/L	--	7600
Lead, Total	7439-92-1	ug/L	--	Lead, Total	7439-92-1	ug/L	--	7.9
Magnesium, Total	7439-95-4	ug/L	--	Magnesium, Total	7439-95-4	ug/L	--	73000
Manganese, Total	7439-96-5	ug/L	--	Manganese, Total	7439-96-5	ug/L	--	360
Mercury, Total	7439-97-6	ug/L	--	Mercury, Total	7439-97-6	ug/L	--	< 0.08 U
Molybdenum, Total	7439-98-7	ug/L	--	Molybdenum, Total	7439-98-7	ug/L	--	3.1 J-
Nickel, Total	7440-02-0	ug/L	--	Nickel, Total	7440-02-0	ug/L	--	9.8
Potassium, Total	7440-09-7	ug/L	--	Potassium, Total	7440-09-7	ug/L	--	8100
Potassium, Total	9/7/7440	ug/L	--	Potassium, Total	9/7/7440	ug/L	--	
Selenium, Total	7782-49-2	ug/L	--	Selenium, Total	7782-49-2	ug/L	--	< 0.58 U
Silver, Total	7440-22-4	ug/L	--	Silver, Total	7440-22-4	ug/L	--	< 0.1 U
Sodium, Total	7440-23-5	ug/L	--	Sodium, Total	7440-23-5	ug/L	--	67000
Thallium, Total	7440-28-0	ug/L	--	Thallium, Total	7440-28-0	ug/L	--	0.16 J
Vanadium, Total	7440-62-2	ug/L	--	Vanadium, Total	7440-62-2	ug/L	--	17
Zinc, Total	7440-66-6	ug/L	--	Zinc, Total	7440-66-6	ug/L	--	29 J-
General				General				
Alkalinity	STL00171	mg/L	--	Alkalinity	STL00171	mg/L	--	210
pH	STL00204	SU	--	pH	STL00204	SU	--	8.26 J
Total Dissolved Solids	STL00242	mg/L	--	Total Dissolved Solids	STL00242	mg/L	--	1000
Total Hardness	STL00009	mg/L	--	Total Hardness	STL00009	mg/L	--	780
Total Suspended Solids	STL00161	mg/L	--	Total Suspended Solids	STL00161	mg/L	--	620

Bold - Bolded results identify a detected value.

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J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

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PQL - Practical Quantitation Limit, also known as reporting limit.

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U - Analyte not detected at or above MDL qualifier

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D - Diluted value qualifier.

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mg/kg - Parts per million (milligrams per kilogram). Liquids equivalent = mg/l - Parts per million (milligrams per kilogram). Liquids equivalent = mg/l.

ug/kg - Parts per billion (micrograms per kilogram). liquids equivalent = ug/kg - Parts per billion (micrograms per kilogram). liquids equivalent = ug/l

Table 2
Surfacewater Analytical Data - Region 9
Upper Animas River

Analyte	CAS.NO	Units	Location	MECT	MECT	SJ4C	SJ4C	SJ4C		
			Sample ID	MECT-081015-11	MECT-081115-11	SJ4C-080915-11	SJ4C-081015-11	SJ4C-081115-11		
			Date	8/10/2015	8/11/2015	8/9/2015	8/10/2015	8/11/2015		
			Sample Time	14:15	13:45	15:20	15:05	9:52		
			Latitude	37.21846	37.21846	36.99622	36.99622	36.99622		
Longitude			-109.19081	-109.19081	-109.00468	-109.00468	-109.00468	-109.00468		
Metals, Dissolved										
Aluminum, Dissolved	7429-90-5	ug/L	--	< 24 U	< 24 U	< 24 U	28 J	25 J		
Antimony, Dissolved	7440-36-0	ug/L	--	< 0.4 UJ	< 0.4 U	< 0.4 U	< 0.4 UJ	< 0.4 U		
Arsenic, Dissolved	7440-38-2	ug/L	--	1.3	0.83 J	0.56 J	1	1.2		
Barium, Dissolved	7440-39-3	ug/L	--	85	68	76	68	65		
Beryllium, Dissolved	7440-41-7	ug/L	--	< 0.15 U						
Cadmium, Dissolved	7440-43-9	ug/L	--	< 0.043 U						
Calcium, Dissolved	7440-70-2	ug/L	--	170000	48000	55000	48000	46000		
Chromium, Dissolved	7440-47-3	ug/L	--	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U		
Cobalt, Dissolved	7440-48-4	ug/L	--	0.45	0.75	< 0.12 U	1.3	2.5		
Copper, Dissolved	7440-50-8	ug/L	--	3 J+	1.9	1.7	2.4 J+	2.5		
Iron, Dissolved	7439-89-6	ug/L	--	< 17 U	< 17 U	< 17 U	68	< 17 U		
Lead, Dissolved	7439-92-1	ug/L	--	< 0.06 U	0.14 J	< 0.06 U	0.077 J	0.094 J		
Magnesium, Dissolved	7439-95-4	ug/L	--	71000	5400	6800	5700	4900		
Manganese, Dissolved	7439-96-5	ug/L	--	1.8 J	2.2 J	4.3	3.1	4.6		
Mercury, Dissolved	7439-97-6	ug/L	--	< 0.08 U						
Molybdenum, Dissolved	7439-98-7	ug/L	--	3.1 J-	1.7 J	1.9	1.9 J-	2		
Nickel, Dissolved	7440-02-0	ug/L	--	3.8	1	1	1.2	1.3		
Potassium, Dissolved	7440-09-7	ug/L	--	5500	2800	2800	3000	3300		
Potassium, Dissolved	9/7/7440	ug/L	--							
Selenium, Dissolved	7782-49-2	ug/L	--	< 0.58 U	1.4 J	1 J	< 0.58 U	0.78 J		
Silver, Dissolved	7440-22-4	ug/L	--	< 0.1 U						
Sodium, Dissolved	7440-23-5	ug/L	--	70000	28000	24000	34000	40000		
Thallium, Dissolved	7440-28-0	ug/L	--	< 0.1 U						
Vanadium, Dissolved	7440-62-2	ug/L	--	2.6	1.6	1	1.6	2		
Zinc, Dissolved	7440-66-6	ug/L	--	< 2.8 U						
Metals, Total										

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Aluminum, Total	7429-90-5	ug/L	--	9800	3000	33000	82000	120000
Antimony, Total	7440-36-0	ug/L	--	< 0.4 UJ	< 0.4 U	0.4 J	< 0.4 UJ	< 0.4 U
Arsenic, Total	7440-38-2	ug/L	--	4.5	2.8	13	16	24
Barium, Total	7440-39-3	ug/L	--	180	290	540	810	1200
Beryllium, Total	7440-41-7	ug/L	--	0.53	1.9	2	4.5	7.4
Cadmium, Total	7440-43-9	ug/L	--	0.1	0.18	0.11 J	0.32	0.31
Calcium, Total	7440-70-2	ug/L	--	190000	77000	87000	84000	100000
Chromium, Total	7440-47-3	ug/L	--	7.5	< 1 U	18	44	55
Cobalt, Total	7440-48-4	ug/L	--	3.4	7.6	14	31	48
Copper, Total	7440-50-8	ug/L	--	9.5 B	15	62	74 B	120
Iron, Total	7439-89-6	ug/L	--	7400	1400	35000	70000	91000
Lead, Total	7439-92-1	ug/L	--	7	11	180	71	89
Magnesium, Total	7439-95-4	ug/L	--	77000	8300	17000	23000	28000
Manganese, Total	7439-96-5	ug/L	--	310	700	740	1400	2000
Mercury, Total	7439-97-6	ug/L	--	< 0.08 U	< 0.08 U	< 0.08 U	0.17 J	0.15 J
Molybdenum, Total	7439-98-7	ug/L	--	3.6 J-	0.68 J	2.8 J-	1.5 J-	0.99 J
Nickel, Total	7440-02-0	ug/L	--	9.9	5.2	20	40	55
Potassium, Total	7440-09-7	ug/L	--	9000	3900	9300	16000	19000
Potassium, Total	9/7/7440	ug/L	--					
Selenium, Total	7782-49-2	ug/L	--	2.9 J+	1.2 J	0.98 J	4.2 J+	5.2
Silver, Total	7440-22-4	ug/L	--	< 0.1 U	< 0.1 U	1.3	0.42 J	0.55 J
Sodium, Total	7440-23-5	ug/L	--	72000	30000	26000	36000	43000
Thallium, Total	7440-28-0	ug/L	--	0.17 J	< 0.1 U	0.4	0.81	1.2
Vanadium, Total	7440-62-2	ug/L	--	20	12	50	110	130
Zinc, Total	7440-66-6	ug/L	--	28	29	160 J-	220	270
General								
Alkalinity	STL00171	mg/L	--	220	92	88	83	97
pH	STL00204	SU	--	8.38 J	8.23 J	8.08 J	8.22 J	8.2 J
Total Dissolved Solids	STL00242	mg/L	--	1100	310	140	390	140
Total Hardness	STL00009	mg/L	--	800	230	290	300	380
Total Suspended Solids	STL00161	mg/L	--	430	2700	2000	4000	6700

Bold - Bolded results identify a detected value.

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J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/kg - Parts per million (milligrams per kilogram). Liquids equivalent = mg/l.

ug/kg - Parts per billion (micrograms per kilogram). liquids equivalent = ug/l

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Upper Animas River

Analyte	CAS.NO	Units	Location	SJ4C	SJBB	SJBB	SJBB	SJDS
			Sample ID	SJ4C-081115-12	SJBB-080915-11	SJBB-081015-11	SJBB-081115-11	SJDS-080915-11
			Date	8/11/2015	8/9/2015	8/10/2015	8/11/2015	8/9/2015
			Sample Time	9:52	18:25	12:40	11:30	13:15
			Latitude	36.99622	37.25737	37.25737	37.25737	36.89331
Metals, Dissolved			Longitude	-109.00468	-109.61859	-109.61859	-109.61859	-108.87864
Aluminum, Dissolved	7429-90-5	ug/L	--	< 24 U	< 24 U	200	1600	1400
Antimony, Dissolved	7440-36-0	ug/L	--	< 0.4 U	< 0.4 U	< 0.4 UJ	< 0.4 U	< 0.4 U
Arsenic, Dissolved	7440-38-2	ug/L	--	0.92 J	1.1	0.8 J	1.2	0.81 J
Barium, Dissolved	7440-39-3	ug/L	--	60	74	77	70	80
Beryllium, Dissolved	7440-41-7	ug/L	--	< 0.15 U				
Cadmium, Dissolved	7440-43-9	ug/L	--	< 0.043 U				
Calcium, Dissolved	7440-70-2	ug/L	--	43000	57000	57000	46000	54000
Chromium, Dissolved	7440-47-3	ug/L	--	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Cobalt, Dissolved	7440-48-4	ug/L	--	0.27 J	0.13 J	0.42	0.87	0.54
Copper, Dissolved	7440-50-8	ug/L	--	2.4	2.3	2.5 J+	3.2	3.5
Iron, Dissolved	7439-89-6	ug/L	--	< 17 U	< 17 U	88	840	1000
Lead, Dissolved	7439-92-1	ug/L	--	< 0.06 U	< 0.06 U	0.29 J	0.67	3.5
Magnesium, Dissolved	7439-95-4	ug/L	--	4700	8000	7900	5600	6800
Manganese, Dissolved	7439-96-5	ug/L	--	< 1.2 U	< 1.2 U	2.8	13	32
Mercury, Dissolved	7439-97-6	ug/L	--	< 0.08 U				
Molybdenum, Dissolved	7439-98-7	ug/L	--	1.9 J	2.1	2.1 J-	1.9	1.7
Nickel, Dissolved	7440-02-0	ug/L	--	1.2	1.2	1.1	1.4	1.5
Potassium, Dissolved	7440-09-7	ug/L	--	3100	3400	3100	3400	2800
Potassium, Dissolved	9/7/7440	ug/L	--					
Selenium, Dissolved	7782-49-2	ug/L	--	1.7 J	0.86 J	< 0.58 U	1.3 J	< 0.58 U
Silver, Dissolved	7440-22-4	ug/L	--	< 0.1 U				
Sodium, Dissolved	7440-23-5	ug/L	--	38000	31000	27000	37000	24000
Thallium, Dissolved	7440-28-0	ug/L	--	< 0.1 U				
Vanadium, Dissolved	7440-62-2	ug/L	--	1.5	2.8	1.7	3.7	2.8
Zinc, Dissolved	7440-66-6	ug/L	--	< 2.8 U	< 2.8 U	< 2.8 U	4.9 J	7 J
Metals, Total								

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Aluminum, Total	7429-90-5	ug/L	--	110000	53000	42000	110000	31000
Antimony, Total	7440-36-0	ug/L	--	< 0.4 U	< 0.4 UJ	< 0.4 UJ	< 0.4 U	< 0.4 UJ
Arsenic, Total	7440-38-2	ug/L	--	23	9.2	13	21	9.4
Barium, Total	7440-39-3	ug/L	--	1100	720	610	1000	490
Beryllium, Total	7440-41-7	ug/L	--	7.1	3.1	2.4	6.3	1.8
Cadmium, Total	7440-43-9	ug/L	--	0.35	0.12 J	0.27	0.33	0.12 J
Calcium, Total	7440-70-2	ug/L	--	99000	130000	100000	99000	72000
Chromium, Total	7440-47-3	ug/L	--	53	27	25	50	18
Cobalt, Total	7440-48-4	ug/L	--	46	22	18	42	13
Copper, Total	7440-50-8	ug/L	--	110	51	56 B	100	44
Iron, Total	7439-89-6	ug/L	--	86000	43000	39000	85000	31000
Lead, Total	7439-92-1	ug/L	--	84	40	120	82	96
Magnesium, Total	7439-95-4	ug/L	--	27000	26000	21000	27000	14000
Manganese, Total	7439-96-5	ug/L	--	2000	1200	950	1800	700
Mercury, Total	7439-97-6	ug/L	--	0.16 J	< 0.08 U	< 0.08 U	0.12 J	< 0.08 U
Molybdenum, Total	7439-98-7	ug/L	--	0.96 J	1.5 J-	2.3 J-	1	1.7 J-
Nickel, Total	7440-02-0	ug/L	--	52	32	26	49	17
Potassium, Total	7440-09-7	ug/L	--	18000	13000	11000	17000	8100
Potassium, Total	9/7/7440	ug/L	--					
Selenium, Total	7782-49-2	ug/L	--	4.2	< 0.58 U	3.9 J+	3.8	1.1 J
Silver, Total	7440-22-4	ug/L	--	0.52 J	0.2 J	0.86 J	0.51 J	0.67 J
Sodium, Total	7440-23-5	ug/L	--	41000	35000	29000	40000	26000
Thallium, Total	7440-28-0	ug/L	--	1.1	0.57	0.48	1	0.35
Vanadium, Total	7440-62-2	ug/L	--	130	68	63	120	43
Zinc, Total	7440-66-6	ug/L	--	250	150 J-	160	250	130 J-
General								
Alkalinity	STL00171	mg/L	--	96	110	94	97	92
pH	STL00204	SU	--	8.19 J	8.1 J	8.2 J	8.23 J	8.07 J
Total Dissolved Solids	STL00242	mg/L	--	350	310	380	330	160
Total Hardness	STL00009	mg/L	--	360	430	340	360	240
Total Suspended Solids	STL00161	mg/L	--	5200	430	2300	5100	2100

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ug/kg - Parts per billion (micrograms per kilogram). liquids equivalent = ug/l

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Upper Animas River

Analyte	CAS.NO	Units	Location	SJDS	SJDS	SJFP	SJFP	SJFP		
			Sample ID	SJDS-081015-11	SJDS-081115-11	SJFP-080815-11	SJFP-080915-11	SJFP-081015-11		
			Date	8/10/2015	8/11/2015	8/8/2015	8/9/2015	8/10/2015		
			Sample Time	13:25	11:40	18:40	10:15	10:35		
			Latitude	36.89331	36.89331	36.74816	36.74816	36.74816		
Longitude			-108.87864	-108.87864	-108.41202	-108.41202	-108.41202			
Metals, Dissolved										
Aluminum, Dissolved	7429-90-5	ug/L	--	29 J	69 J	< 200 U	< 24 U	< 24 U		
Antimony, Dissolved	7440-36-0	ug/L	--	< 0.4 UJ	< 0.4 U	< 1 UJ	< 0.4 U	1.3 J-		
Arsenic, Dissolved	7440-38-2	ug/L	--	0.51 J	0.97 J	< 1 U	0.41 J	0.7 J		
Barium, Dissolved	7440-39-3	ug/L	--	64	71	66	68	68		
Beryllium, Dissolved	7440-41-7	ug/L	--	< 0.15 U	< 0.15 U	< 0.4 U	< 0.15 U	< 0.15 U		
Cadmium, Dissolved	7440-43-9	ug/L	--	< 0.043 U	< 0.043 U	< 0.1 U	< 0.043 U	< 0.043 U		
Calcium, Dissolved	7440-70-2	ug/L	--	47000	53000	50000	50000	50000		
Chromium, Dissolved	7440-47-3	ug/L	--	< 1 U	< 1 U	< 2 U	< 1 U	< 1 U		
Cobalt, Dissolved	7440-48-4	ug/L	--	0.33 J	2.1	0.13 J	0.12 J	0.24 J		
Copper, Dissolved	7440-50-8	ug/L	--	2.4 J+	2.5	1.5	1.5	1.5 J+		
Iron, Dissolved	7439-89-6	ug/L	--	< 17 U	34 J	< 50 U	< 17 U	< 17 U		
Lead, Dissolved	7439-92-1	ug/L	--	0.06 J	0.086 J	< 0.3 U	< 0.06 U	< 0.06 U		
Magnesium, Dissolved	7439-95-4	ug/L	--	5500	7000	6400	6500	6700		
Manganese, Dissolved	7439-96-5	ug/L	--	1.7 J	5	4.6	4.1	7.3		
Mercury, Dissolved	7439-97-6	ug/L	--	< 0.08 U	< 0.08 U	< 0.2 U	< 0.08 U	< 0.08 U		
Molybdenum, Dissolved	7439-98-7	ug/L	--	1.8 J-	2 J	1.7	1.5	1.3 J-		
Nickel, Dissolved	7440-02-0	ug/L	--	1.2	1.3	1.2	1.2	1		
Potassium, Dissolved	7440-09-7	ug/L	--	3000	3100		2300	2300		
Potassium, Dissolved	9/7/7440	ug/L	--			2400				
Selenium, Dissolved	7782-49-2	ug/L	--	< 0.58 U	0.97 J	< 2 U	< 0.58 U	< 0.58 U		
Silver, Dissolved	7440-22-4	ug/L	--	< 0.1 U	< 0.1 U	< 1 U	< 0.1 U	< 0.1 U		
Sodium, Dissolved	7440-23-5	ug/L	--	34000	36000	20000	20000	19000		
Thallium, Dissolved	7440-28-0	ug/L	--	< 0.1 U	< 0.1 U	< 0.2 U	< 0.1 U	< 0.1 U		
Vanadium, Dissolved	7440-62-2	ug/L	--	1.5	1.8	< 1 U	0.81 J	0.99 J		
Zinc, Dissolved	7440-66-6	ug/L	--	< 2.8 U	< 2.8 U	< 20 UJ	< 2.8 U	< 2.8 U		
Metals, Total										

Table 2
Surfacewater Analytical Data - Region 9
Upper Animas River

Aluminum, Total	7429-90-5	ug/L	--	79000	64000	22000	25000	10000
Antimony, Total	7440-36-0	ug/L	--	< 0.4 UJ	< 0.4 U	0.59 J-	< 0.4 UJ	< 0.4 UJ
Arsenic, Total	7440-38-2	ug/L	--	15	12	11	5.1	4.3
Barium, Total	7440-39-3	ug/L	--	810	620	260	340	170
Beryllium, Total	7440-41-7	ug/L	--	4.5	3.6	0.97	1.4	0.6
Cadmium, Total	7440-43-9	ug/L	--	0.31	0.29	0.39	< 0.086 U	< 0.043 U
Calcium, Total	7440-70-2	ug/L	--	81000	81000	60000	64000	56000
Chromium, Total	7440-47-3	ug/L	--	39	32	9.9	17	8
Cobalt, Total	7440-48-4	ug/L	--	29	24	6.1	10	3.9
Copper, Total	7440-50-8	ug/L	--	74 B	59	46	32	13 B
Iron, Total	7439-89-6	ug/L	--	67000	53000	25000	22000	8700
Lead, Total	7439-92-1	ug/L	--	69	58	200	47	18
Magnesium, Total	7439-95-4	ug/L	--	22000	21000	10000	13000	9000
Manganese, Total	7439-96-5	ug/L	--	1300	1000	380	500	210
Mercury, Total	7439-97-6	ug/L	--	0.1 J	< 0.08 U	< 0.2 U	< 0.08 U	< 0.08 U
Molybdenum, Total	7439-98-7	ug/L	--	1.2 J-	1.2 J	3.2	1.4 J-	1.5 J-
Nickel, Total	7440-02-0	ug/L	--	38	30	8.9	15	6.2
Potassium, Total	7440-09-7	ug/L	--	15000	13000		7300	4400
Potassium, Total	9/7/7440	ug/L	--			7000		
Selenium, Total	7782-49-2	ug/L	--	3.3 J+	3.4	0.98 J	0.92 J	2.3 J+
Silver, Total	7440-22-4	ug/L	--	0.44 J	0.32 J	1.4	0.31 J	0.13 J
Sodium, Total	7440-23-5	ug/L	--	38000	39000	22000	22000	19000
Thallium, Total	7440-28-0	ug/L	--	0.74	0.63	0.23	0.26	0.12 J
Vanadium, Total	7440-62-2	ug/L	--	98	82	27	31	16
Zinc, Total	7440-66-6	ug/L	--	210	160	130 J-	94 J-	38
General								
Alkalinity	STL00171	mg/L	--	93	100	84	93	98
pH	STL00204	SU	--	8.17 J	8.28 J	8.06 HF	8.03 J	8.19 J
Total Dissolved Solids	STL00242	mg/L	--	340	340	290	240	270
Total Hardness	STL00009	mg/L	--	290	290	190	210	180
Total Suspended Solids	STL00161	mg/L	--	4300	2600	680	1100	840

Bold - Bolded results identify a detected value.

Table 2
Surfacewater Analytical Data - Region 9
Upper Animas River

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/kg - Parts per million (milligrams per kilogram). Liquids equivalent = mg/l.

ug/kg - Parts per billion (micrograms per kilogram). liquids equivalent = ug/l

Table 2
Surfacewater Analytical Data - Region 9
Upper Animas River

Analyte	CAS.NO	Units	Location	SJFP	SJHB	SJHB	SJHB	SJHB
			Sample ID	SJFP-081115-11	10-25.20150807.RS	SJHB-080815-11	SJHB-080915-11	SJHB-081015-11
			Date	8/11/2015	8/7/2015	8/8/2015	8/9/2015	8/10/2015
			Sample Time	13:45	11:30	19:10	11:31	11:25
			Latitude	36.74816	36.74519	36.74519	36.74519	36.74519
Metals, Dissolved			Longitude	-108.41202	-108.53776	-108.53776	-108.53776	-108.53776
Aluminum, Dissolved	7429-90-5	ug/L	--	< 24 U	< 200 U	< 200 U	330	< 24 U
Antimony, Dissolved	7440-36-0	ug/L	--	< 0.4 U	< 1 UJ	< 1 UJ	< 0.4 U	< 0.4 UJ
Arsenic, Dissolved	7440-38-2	ug/L	--	0.56 J	0.56 J	< 1 U	0.39 J	0.67 J
Barium, Dissolved	7440-39-3	ug/L	--	74	68	67	70	69
Beryllium, Dissolved	7440-41-7	ug/L	--	< 0.15 U	< 0.4 U	< 0.4 U	< 0.15 U	< 0.15 U
Cadmium, Dissolved	7440-43-9	ug/L	--	< 0.043 U	< 0.1 U	< 0.1 U	< 0.043 U	< 0.043 U
Calcium, Dissolved	7440-70-2	ug/L	--	56000	56000	54000	52000	51000
Chromium, Dissolved	7440-47-3	ug/L	--	< 1 U	< 2 U	< 2 U	< 1 U	< 1 U
Cobalt, Dissolved	7440-48-4	ug/L	--	1.4	0.96	< 0.4 U	0.2 J	0.35 J
Copper, Dissolved	7440-50-8	ug/L	--	1.8	1.2	1.7	1.8	2.1 J+
Iron, Dissolved	7439-89-6	ug/L	--	< 17 U	< 50 U	< 50 U	220	< 17 U
Lead, Dissolved	7439-92-1	ug/L	--	< 0.06 U	0.093 J	< 0.3 U	0.36	< 0.06 U
Magnesium, Dissolved	7439-95-4	ug/L	--	7400	7300	6900	6800	6800
Manganese, Dissolved	7439-96-5	ug/L	--	18	3.3	1.2 J	6.1	2.7
Mercury, Dissolved	7439-97-6	ug/L	--	< 0.08 U	< 0.2 U	< 0.2 U	< 0.08 U	< 0.08 U
Molybdenum, Dissolved	7439-98-7	ug/L	--	1.3	1.5	1.8	1.5 J	1.3 J-
Nickel, Dissolved	7440-02-0	ug/L	--	1.1	1	1.1	1.1	0.98 J
Potassium, Dissolved	7440-09-7	ug/L	--	2400			2500	2300
Potassium, Dissolved	9/7/7440	ug/L	--		2500	2500		
Selenium, Dissolved	7782-49-2	ug/L	--	< 0.58 U	< 2 U	< 2 U	0.7 J	< 0.58 U
Silver, Dissolved	7440-22-4	ug/L	--	< 0.1 U	< 1 U	< 1 U	< 0.1 U	< 0.1 U
Sodium, Dissolved	7440-23-5	ug/L	--	20000	23000	22000	22000	19000
Thallium, Dissolved	7440-28-0	ug/L	--	< 0.1 U	< 0.2 U	< 0.2 U	< 0.1 U	< 0.1 U
Vanadium, Dissolved	7440-62-2	ug/L	--	1	1.3	0.34 J	1.3	0.96 J
Zinc, Dissolved	7440-66-6	ug/L	--	< 2.8 U	< 20 UJ	< 20 UJ	< 2.8 U	< 2.8 U
Metals, Total								

Table 2
Surfacewater Analytical Data - Region 9
Upper Animas River

Aluminum, Total	7429-90-5	ug/L	--	9200	21000	30000	35000	13000
Antimony, Total	7440-36-0	ug/L	--	< 0.4 U	< 1 UJ	0.51 J-	< 0.4 UJ	< 0.4 UJ
Arsenic, Total	7440-38-2	ug/L	--	3	3.7	14	6.2	3.8
Barium, Total	7440-39-3	ug/L	--	270	330	570	520	260
Beryllium, Total	7440-41-7	ug/L	--	0.57	0.93	1.8	2.4	0.89
Cadmium, Total	7440-43-9	ug/L	--	< 0.043 U	0.2	0.51	< 0.086 U	0.056 J
Calcium, Total	7440-70-2	ug/L	--	61000	68000	77000	81000	60000
Chromium, Total	7440-47-3	ug/L	--	5.6	11	16	22	9.7
Cobalt, Total	7440-48-4	ug/L	--	4.4	7.4	13	17	6.2
Copper, Total	7440-50-8	ug/L	--	12	17	61	42	16 B
Iron, Total	7439-89-6	ug/L	--	8300	16000	36000	31000	11000
Lead, Total	7439-92-1	ug/L	--	16	15	250	57	22
Magnesium, Total	7439-95-4	ug/L	--	9400	12000	13000	16000	9600
Manganese, Total	7439-96-5	ug/L	--	270	390	940	990	400 J
Mercury, Total	7439-97-6	ug/L	--	< 0.08 U	< 0.2 U	< 0.2 U	< 0.08 U	< 0.08 U
Molybdenum, Total	7439-98-7	ug/L	--	1.4	1.5	3	1.1 J-	1.5 J-
Nickel, Total	7440-02-0	ug/L	--	6.2	10	16	22	8.5
Potassium, Total	7440-09-7	ug/L	--	4500			9200	5000
Potassium, Total	9/7/7440	ug/L	--		6600	8700		
Selenium, Total	7782-49-2	ug/L	--	1 J	0.74 J	1.5 J	< 0.58 U	2.3 J+
Silver, Total	7440-22-4	ug/L	--	< 0.1 U	< 1 U	1.6	0.38 J	0.14 J
Sodium, Total	7440-23-5	ug/L	--	20000	25000	23000	24000	19000
Thallium, Total	7440-28-0	ug/L	--	0.11 J	0.18 J	0.35	0.38	0.15 J
Vanadium, Total	7440-62-2	ug/L	--	15	25	41	42	21
Zinc, Total	7440-66-6	ug/L	--	42	57 J-	170 J-	130 J-	55
General								
Alkalinity	STL00171	mg/L	--	92	110	82	94	90
pH	STL00204	SU	--	8.27 J	8.18 HF	7.99 HF	8.12 J	8.15 J
Total Dissolved Solids	STL00242	mg/L	--	300	290	290	310	260
Total Hardness	STL00009	mg/L	--	190	220	250	270	190
Total Suspended Solids	STL00161	mg/L	--	640	1700	2900	2200	880

Bold - Bolded results identify a detected value.

Table 2
Surfacewater Analytical Data - Region 9
Upper Animas River

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/kg - Parts per million (milligrams per kilogram). Liquids equivalent = mg/l.

ug/kg - Parts per billion (micrograms per kilogram). liquids equivalent = ug/l

Table 2
Surfacewater Analytical Data - Region 9
Upper Animas River

Analyte	CAS.NO	Units	Location	SJHB	SJHB	SJLP	SJLP	SJLP		
			Sample ID	SJHB-081015-12	SJHB-081115-11	SJLP-080815-11	SJLP-080915-11	SJLP-081015-11		
			Date	8/10/2015	8/11/2015	8/8/2015	8/9/2015	8/10/2015		
			Sample Time	11:25	13:05	15:32	9:54	9:40		
			Latitude	36.74519	36.74519	36.73589	36.73589	36.73589		
Analyte			Longitude	-108.53776	-108.53776	-108.25399	-108.25399	-108.25399		
Metals, Dissolved										
Aluminum, Dissolved	7429-90-5	ug/L	--	< 24 U	1800	< 200 U	< 24 U	< 24 U		
Antimony, Dissolved	7440-36-0	ug/L	--	< 0.4 UJ	0.4 J	< 1 UJ	< 0.4 U	< 0.4 UJ		
Arsenic, Dissolved	7440-38-2	ug/L	--	0.99 J	1.9	< 1 U	0.42 J	0.56 J		
Barium, Dissolved	7440-39-3	ug/L	--	67	160	61	72	70		
Beryllium, Dissolved	7440-41-7	ug/L	--	< 0.15 U	< 0.15 U	< 0.4 U	< 0.15 U	< 0.15 U		
Cadmium, Dissolved	7440-43-9	ug/L	--	< 0.043 U	< 0.043 U	< 0.1 U	< 0.043 U	< 0.043 U		
Calcium, Dissolved	7440-70-2	ug/L	--	50000	40000	47000	51000	50000		
Chromium, Dissolved	7440-47-3	ug/L	--	< 1 U	1.2 J	< 2 U	< 1 U	< 1 U		
Cobalt, Dissolved	7440-48-4	ug/L	--	0.16 J	1.4	0.12 J	< 0.12 U	0.52		
Copper, Dissolved	7440-50-8	ug/L	--	1.4 J+	3.4	1.5	1.7	1.3 J+		
Iron, Dissolved	7439-89-6	ug/L	--	< 17 U	840	18 J	< 17 U	< 17 U		
Lead, Dissolved	7439-92-1	ug/L	--	< 0.06 U	0.56	0.094 J	< 0.06 U	< 0.06 U		
Magnesium, Dissolved	7439-95-4	ug/L	--	6700	6800	6100	6600	6500		
Manganese, Dissolved	7439-96-5	ug/L	--	2.1 J	16	5.8	5.1	9.7		
Mercury, Dissolved	7439-97-6	ug/L	--	< 0.08 U	< 0.08 U	< 0.2 U	< 0.08 U	< 0.08 U		
Molybdenum, Dissolved	7439-98-7	ug/L	--	1.3 J-	2.6 J	1.6	1.4	1.3 J-		
Nickel, Dissolved	7440-02-0	ug/L	--	1.2	1.8	1.1	1.2	1.1		
Potassium, Dissolved	7440-09-7	ug/L	--	2300	4200		2400	2300		
Potassium, Dissolved	9/7/7440	ug/L	--			2400				
Selenium, Dissolved	7782-49-2	ug/L	--	< 0.58 U	< 0.58 U	< 2 U	0.87 J	< 0.58 U		
Silver, Dissolved	7440-22-4	ug/L	--	< 0.1 U	< 0.1 U	< 1 U	< 0.1 U	< 0.1 U		
Sodium, Dissolved	7440-23-5	ug/L	--	18000	52000	19000	19000	17000		
Thallium, Dissolved	7440-28-0	ug/L	--	< 0.1 U	< 0.1 U	< 0.2 U	< 0.1 U	< 0.1 U		
Vanadium, Dissolved	7440-62-2	ug/L	--	0.89 J	11	0.35 J	0.84 J	0.92 J		
Zinc, Dissolved	7440-66-6	ug/L	--	< 2.8 U	< 2.8 U	< 20 UJ	< 2.8 U	< 2.8 U		
Metals, Total										

Table 2
Surfacewater Analytical Data - Region 9
Upper Animas River

Aluminum, Total	7429-90-5	ug/L	--	13000	270000	28000	25000	12000
Antimony, Total	7440-36-0	ug/L	--	< 0.4 UJ	< 0.4 U	< 1 UJ	< 0.4 UJ	< 0.4 UJ
Arsenic, Total	7440-38-2	ug/L	--	3.7	26	11	6.3	3.6
Barium, Total	7440-39-3	ug/L	--	240	2600 J	490	520	260
Beryllium, Total	7440-41-7	ug/L	--	0.78	12	1.4	1.8	0.7
Cadmium, Total	7440-43-9	ug/L	--	0.054 J	0.45	0.35	0.19	0.14
Calcium, Total	7440-70-2	ug/L	--	57000	280000	64000	72000	56000
Chromium, Total	7440-47-3	ug/L	--	10	150	14	16	8.3
Cobalt, Total	7440-48-4	ug/L	--	5.4	73	9.9	13	5.2
Copper, Total	7440-50-8	ug/L	--	16 B	110	42	33	15 B
Iron, Total	7439-89-6	ug/L	--	11000	140000	29000	24000	11000
Lead, Total	7439-92-1	ug/L	--	22	130	150	48	21
Magnesium, Total	7439-95-4	ug/L	--	9500	94000	12000	13000	9300
Manganese, Total	7439-96-5	ug/L	--	290 J	3400	570	830	270
Mercury, Total	7439-97-6	ug/L	--	< 0.08 U	0.2	< 0.2 U	< 0.08 U	< 0.08 U
Molybdenum, Total	7439-98-7	ug/L	--	1.5 J-	2 J	2.4	1.3 J-	1.4 J-
Nickel, Total	7440-02-0	ug/L	--	8.1	140	13	17	7.7
Potassium, Total	7440-09-7	ug/L	--	5100	73000		7600	4900
Potassium, Total	9/7/7440	ug/L	--			8100		
Selenium, Total	7782-49-2	ug/L	--	2 J+	6	0.74 J	< 0.58 U	< 0.58 U
Silver, Total	7440-22-4	ug/L	--	0.15 J	0.63 J	0.96 J	0.3 J	0.13 J
Sodium, Total	7440-23-5	ug/L	--	19000	65000	21000	20000	18000
Thallium, Total	7440-28-0	ug/L	--	0.15 J	1.8	0.3	0.28	0.14 J
Vanadium, Total	7440-62-2	ug/L	--	20	230	34	34	19
Zinc, Total	7440-66-6	ug/L	--	51	340	130 J-	110 J-	50
General								
Alkalinity	STL00171	mg/L	--	90	110	86	92	88
pH	STL00204	SU	--	8.16 J	8.3 J	8.05 HF	8.1 J	8.18 J
Total Dissolved Solids	STL00242	mg/L	--	260	350	250	280	260
Total Hardness	STL00009	mg/L	--	180	1100	210	230	180
Total Suspended Solids	STL00161	mg/L	--	1000	6300	1300	1600	1400

Bold - Bolded results identify a detected value.

Table 2
Surfacewater Analytical Data - Region 9
Upper Animas River

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/kg - Parts per million (milligrams per kilogram). Liquids equivalent = mg/l.

ug/kg - Parts per billion (micrograms per kilogram). liquids equivalent = ug/l

Table 2
Surfacewater Analytical Data - Region 9
Upper Animas River

Analyte	CAS.NO	Units	Location	SJLP	SJMC	SJMC	SJMC	SJMC
			Sample ID	SJLP-081115-11	SJMC-080915-11	SJMC-081015-11	SJMC-081015-12	SJMC-081115-11
			Date	8/11/2015	8/9/2015	8/10/2015	8/10/2015	8/11/2015
			Sample Time	14:25	17:50	13:35	13:40	12:20
			Latitude	36.73589	37.25823	37.25823	37.25823	37.25823
Metals, Dissolved			Longitude	-108.25399	-109.31060	-109.31060	-109.31060	-109.31060
Aluminum, Dissolved	7429-90-5	ug/L	--	32 J	28 J	< 24 UJ	2300 J	< 24 U
Antimony, Dissolved	7440-36-0	ug/L	--	< 0.4 U	< 0.4 U	< 0.4 UJ	< 0.4 UJ	< 0.4 U
Arsenic, Dissolved	7440-38-2	ug/L	--	0.96 J	0.86 J	0.88 J	1.2	1.3
Barium, Dissolved	7440-39-3	ug/L	--	67	77	73	94	86
Beryllium, Dissolved	7440-41-7	ug/L	--	< 0.15 U				
Cadmium, Dissolved	7440-43-9	ug/L	--	< 0.043 U				
Calcium, Dissolved	7440-70-2	ug/L	--	50000	57000	54000	58000	180000
Chromium, Dissolved	7440-47-3	ug/L	--	< 1 U	< 1 U	< 1 U	2	< 1 U
Cobalt, Dissolved	7440-48-4	ug/L	--	2	0.13 J	0.12 J	0.92	1.4
Copper, Dissolved	7440-50-8	ug/L	--	2.3	2	2.5 J+	4.8 J+	2.5
Iron, Dissolved	7439-89-6	ug/L	--	< 17 U	< 17 U	< 17 UJ	1800 J	< 17 U
Lead, Dissolved	7439-92-1	ug/L	--	0.064 J	< 0.06 U	< 0.06 UJ	2.8	< 0.06 U
Magnesium, Dissolved	7439-95-4	ug/L	--	6600	8200	7400	8400	75000
Manganese, Dissolved	7439-96-5	ug/L	--	3.6	1.2 J	< 1.2 UJ	36	3.7
Mercury, Dissolved	7439-97-6	ug/L	--	< 0.08 U				
Molybdenum, Dissolved	7439-98-7	ug/L	--	2 J	2.1	2 J-	2.2 J-	3.4
Nickel, Dissolved	7440-02-0	ug/L	--	1.4	1.5	1.2	2.4	3.7
Potassium, Dissolved	7440-09-7	ug/L	--	3100	3000	2900	3500	6000
Potassium, Dissolved	9/7/7440	ug/L	--					
Selenium, Dissolved	7782-49-2	ug/L	--	0.85 J	0.9 J	< 0.58 U	< 0.58 U	2
Silver, Dissolved	7440-22-4	ug/L	--	< 0.1 U				
Sodium, Dissolved	7440-23-5	ug/L	--	35000	30000	30000	33000	75000
Thallium, Dissolved	7440-28-0	ug/L	--	< 0.1 U				
Vanadium, Dissolved	7440-62-2	ug/L	--	1.9	2.6	1.8 J	6	2.3
Zinc, Dissolved	7440-66-6	ug/L	--	< 2.8 U	< 2.8 U	< 2.8 UJ	8.1 J	< 2.8 U
Metals, Total								

Table 2
Surfacewater Analytical Data - Region 9
Upper Animas River

Aluminum, Total	7429-90-5	ug/L	--	97000	46000	69000	59000	10000
Antimony, Total	7440-36-0	ug/L	--	< 0.4 U	< 0.4 UJ	< 0.4 UJ	< 0.4 UJ	< 0.4 U
Arsenic, Total	7440-38-2	ug/L	--	19	8.9	14	13	4.9
Barium, Total	7440-39-3	ug/L	--	890	600	730	700	180
Beryllium, Total	7440-41-7	ug/L	--	5.5	2.6	3.6	3.6	0.59
Cadmium, Total	7440-43-9	ug/L	--	0.23	< 0.086 U	0.26	0.34	0.22
Calcium, Total	7440-70-2	ug/L	--	98000	97000	97000	100000	210000
Chromium, Total	7440-47-3	ug/L	--	47	25	37	33	8
Cobalt, Total	7440-48-4	ug/L	--	36	19	25	24	3.9
Copper, Total	7440-50-8	ug/L	--	85	44	64 B	64 B	11
Iron, Total	7439-89-6	ug/L	--	75000	38000	58000	51000	8400
Lead, Total	7439-92-1	ug/L	--	76	33	76	77	7.6
Magnesium, Total	7439-95-4	ug/L	--	28000	21000	24000	23000	79000
Manganese, Total	7439-96-5	ug/L	--	1600	940	1200	1200	310
Mercury, Total	7439-97-6	ug/L	--	< 0.08 U	< 0.08 U	< 0.08 U	< 0.08 U	< 0.08 U
Molybdenum, Total	7439-98-7	ug/L	--	1.4 J	1.5 J-	2.1 J-	1.6 J-	4.5
Nickel, Total	7440-02-0	ug/L	--	43	26	35	33	13
Potassium, Total	7440-09-7	ug/L	--	18000	11000	14000	12000	9400
Potassium, Total	9/7/7440	ug/L	--					
Selenium, Total	7782-49-2	ug/L	--	3.9	0.84 J	4.5 J+	3.3 J+	3.3
Silver, Total	7440-22-4	ug/L	--	0.44 J	0.19 J	0.49 J	0.52 J	< 0.1 U
Sodium, Total	7440-23-5	ug/L	--	39000	32000	32000	34000	75000
Thallium, Total	7440-28-0	ug/L	--	0.95	0.49	0.68	0.64	0.26
Vanadium, Total	7440-62-2	ug/L	--	120	60	92	80	24
Zinc, Total	7440-66-6	ug/L	--	230	130 J-	190	180	36
General								
Alkalinity	STL00171	mg/L	--	110	100	97	98	210
pH	STL00204	SU	--	8.28 J	8.14 J	8.22 J	8.22 J	8.32 J
Total Dissolved Solids	STL00242	mg/L	--	330	160	360	350	1100
Total Hardness	STL00009	mg/L	--	360	330	340	340	840
Total Suspended Solids	STL00161	mg/L	--	3700	3300	3200	2800	550

Bold - Bolded results identify a detected value.

Table 2
Surfacewater Analytical Data - Region 9
Upper Animas River

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/kg - Parts per million (milligrams per kilogram). Liquids equivalent = mg/l.

ug/kg - Parts per billion (micrograms per kilogram). liquids equivalent = ug/l

Table 2
Surfacewater Analytical Data - Region 9
Upper Animas River

Analyte	CAS.NO	Units	Location	SJME	SJME	SJME	SJME	SJME		
			Sample ID	SJME-080915-11	SJME-080915-12	SJME-081015-11	SJME-081115-11	SJME-081115-12		
			Date	8/9/2015	8/9/2015	8/10/2015	8/11/2015	8/11/2015		
			Sample Time	16:35	16:35	14:40	13:30	13:35		
			Latitude	37.21681	37.21681	37.21681	37.21681	37.21681		
Longitude			-109.19615	-109.19615	-109.19615	-109.19615	-109.19615	-109.19615		
Metals, Dissolved										
Aluminum, Dissolved	7429-90-5	ug/L	--	3200 J	5700 J	2200	< 24 UJ	9300 J		
Antimony, Dissolved	7440-36-0	ug/L	--	< 0.4 U	< 0.4 U	< 0.4 UJ	< 0.4 U	< 0.4 U		
Arsenic, Dissolved	7440-38-2	ug/L	--	1.1	1	1.3	0.72 J	3.1 J		
Barium, Dissolved	7440-39-3	ug/L	--	97	120	92	80 J	270 J		
Beryllium, Dissolved	7440-41-7	ug/L	--	< 0.15 U	0.26 J	< 0.15 U	< 0.15 U	0.61 J		
Cadmium, Dissolved	7440-43-9	ug/L	--	< 0.043 U	< 0.043 U	< 0.043 U	0.047 J	0.051 J		
Calcium, Dissolved	7440-70-2	ug/L	--	59000	61000	53000	59000	65000		
Chromium, Dissolved	7440-47-3	ug/L	--	2.5	5	1.9 J	< 1 U	6.1 J		
Cobalt, Dissolved	7440-48-4	ug/L	--	0.87	1.6	0.83	1.3 J	4.7 J		
Copper, Dissolved	7440-50-8	ug/L	--	3.9	5.1	4.5 J+	1.5 J	12 J		
Iron, Dissolved	7439-89-6	ug/L	--	2000 J	3500 J	1600	< 17 UJ	8700 J		
Lead, Dissolved	7439-92-1	ug/L	--	1.5	2.9	2.1	< 0.06 UJ	17 J		
Magnesium, Dissolved	7439-95-4	ug/L	--	7800	8500	6700	7900	10000 J		
Manganese, Dissolved	7439-96-5	ug/L	--	34	67	31	10 J	320 J		
Mercury, Dissolved	7439-97-6	ug/L	--	< 0.08 U	< 0.08 U	< 0.08 U	< 0.08 U	< 0.08 U		
Molybdenum, Dissolved	7439-98-7	ug/L	--	2.1 J	2 J	2.1 J-	1.4	1.4		
Nickel, Dissolved	7440-02-0	ug/L	--	2.2	3.2	2.3	1.3 J	6.6 J		
Potassium, Dissolved	7440-09-7	ug/L	--	3900	4500	3400	2400 J	4600 J		
Potassium, Dissolved	9/7/7440	ug/L	--							
Selenium, Dissolved	7782-49-2	ug/L	--	0.98 J	0.84 J	< 0.58 U	0.77 J	0.97 J		
Silver, Dissolved	7440-22-4	ug/L	--	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U		
Sodium, Dissolved	7440-23-5	ug/L	--	31000	31000	32000	22000	21000		
Thallium, Dissolved	7440-28-0	ug/L	--	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	0.11 J		
Vanadium, Dissolved	7440-62-2	ug/L	--	5.9	9.6	6.2	0.88 J	16 J		
Zinc, Dissolved	7440-66-6	ug/L	--	7.1 J	12 J	7.1 J	< 2.8 UJ	42 J		
Metals, Total										

Table 2
Surfacewater Analytical Data - Region 9
Upper Animas River

Aluminum, Total	7429-90-5	ug/L	--	59000	58000	78000	5600 J	< 24 UJ
Antimony, Total	7440-36-0	ug/L	--	< 0.4 UJ	< 0.4 UJ	< 0.4 UJ	< 0.4 U	< 0.4 U
Arsenic, Total	7440-38-2	ug/L	--	11	10	15	1.7	0.99 J
Barium, Total	7440-39-3	ug/L	--	860	880	830	170 J	81 J
Beryllium, Total	7440-41-7	ug/L	--	3.7	3.7	4.4	0.31 J	< 0.15 UJ
Cadmium, Total	7440-43-9	ug/L	--	0.34	0.33	0.31	< 0.043 U	< 0.043 U
Calcium, Total	7440-70-2	ug/L	--	130000	130000	96000	62000	60000
Chromium, Total	7440-47-3	ug/L	--	28	28	41	4.1	< 1 UJ
Cobalt, Total	7440-48-4	ug/L	--	23	24	30	2.3	0.29 J
Copper, Total	7440-50-8	ug/L	--	54	55	79 B	7.7 J	1.6 J
Iron, Total	7439-89-6	ug/L	--	47000	46000	66000	4800 J	< 17 UJ
Lead, Total	7439-92-1	ug/L	--	46	46	78	10 J	< 0.06 UJ
Magnesium, Total	7439-95-4	ug/L	--	27000	27000	24000	9100	8200 J
Manganese, Total	7439-96-5	ug/L	--	1200	1300	1400	130 J	3.4 J
Mercury, Total	7439-97-6	ug/L	--	< 0.08 U	< 0.08 U	0.096 J	< 0.08 U	< 0.08 U
Molybdenum, Total	7439-98-7	ug/L	--	1.7 J-	1.4 J-	1.6 J-	1.4	1.4
Nickel, Total	7440-02-0	ug/L	--	36	37	41	3.9 J	1.1 J
Potassium, Total	7440-09-7	ug/L	--	15000	15000	15000	3600 J	2500 J
Potassium, Total	9/7/7440	ug/L	--					
Selenium, Total	7782-49-2	ug/L	--	< 0.58 U	< 0.58 U	3.6 J+	2.6	0.94 J
Silver, Total	7440-22-4	ug/L	--	0.26 J	0.27 J	0.54 J	< 0.1 U	< 0.1 U
Sodium, Total	7440-23-5	ug/L	--	32000	33000	35000	22000	21000
Thallium, Total	7440-28-0	ug/L	--	0.71	0.68	0.78	< 0.1 U	< 0.1 U
Vanadium, Total	7440-62-2	ug/L	--	70	66	99	9.2	0.88 J
Zinc, Total	7440-66-6	ug/L	--	160 J-	160 J-	220	23 J	< 2.8 UJ
General								
Alkalinity	STL00171	mg/L	--	96	91	92	98	98
pH	STL00204	SU	--	8.01 J	8.08 J	8.2 J	8.27 J	8.25 J
Total Dissolved Solids	STL00242	mg/L	--	340	330	370	280	290
Total Hardness	STL00009	mg/L	--	430	440	340	190	180
Total Suspended Solids	STL00161	mg/L	--	3000	2900	3200	180 J	660 J

Bold - Bolded results identify a detected value.

Table 2
Surfacewater Analytical Data - Region 9
Upper Animas River

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/kg - Parts per million (milligrams per kilogram). Liquids equivalent = mg/l.

ug/kg - Parts per billion (micrograms per kilogram). liquids equivalent = ug/l

Table 2
Surfacewater Analytical Data - Region 9
Upper Animas River

Analyte	CAS.NO	Units	Location	SJMH	SJMH	SJMH	SJSR	SJSR		
			Sample ID	SJMH-080915-11	SJMH-081015-11	SJMH-081115-11	SJSR-080815-11	SJSR-080915-11		
			Date	8/9/2015	8/10/2015	8/11/2015	8/8/2015	8/9/2015		
			Sample Time	19:05	11:35	10:35	19:34	12:35		
			Latitude	37.14999	37.14999	37.14999	36.78162	36.78162		
Longitude			-109.86628	-109.86628	-109.86628	-108.69278	-108.69278	-108.69278		
Metals, Dissolved										
Aluminum, Dissolved	7429-90-5	ug/L	--	< 24 U	31 J	24 J	610	1800		
Antimony, Dissolved	7440-36-0	ug/L	--	< 0.4 U	< 0.4 UJ	< 0.4 U	< 1 UJ	< 0.4 U		
Arsenic, Dissolved	7440-38-2	ug/L	--	2	1.6	0.88 J	0.84 J	0.8 J		
Barium, Dissolved	7440-39-3	ug/L	--	130	150	65	68	81		
Beryllium, Dissolved	7440-41-7	ug/L	--	< 0.15 U	< 0.15 U	< 0.15 U	< 0.4 U	< 0.15 U		
Cadmium, Dissolved	7440-43-9	ug/L	--	< 0.043 U	< 0.043 U	< 0.043 U	< 0.1 U	< 0.043 U		
Calcium, Dissolved	7440-70-2	ug/L	--	56000	51000	46000	50000	51000		
Chromium, Dissolved	7440-47-3	ug/L	--	< 1 U	< 1 U	< 1 U	< 2 U	1.2 J		
Cobalt, Dissolved	7440-48-4	ug/L	--	0.31 J	1.7	2.6	0.29 J	0.67		
Copper, Dissolved	7440-50-8	ug/L	--	2.8	2.6 J+	2.4	2.1	4		
Iron, Dissolved	7439-89-6	ug/L	--	< 17 U	< 17 U	< 17 U	360	1300		
Lead, Dissolved	7439-92-1	ug/L	--	< 0.06 U	< 0.06 U	0.084 J	0.51	2.7		
Magnesium, Dissolved	7439-95-4	ug/L	--	8500	8000	5300	6400	6500		
Manganese, Dissolved	7439-96-5	ug/L	--	< 1.2 U	3.1	4.7	13	32		
Mercury, Dissolved	7439-97-6	ug/L	--	< 0.08 U	< 0.08 U	< 0.08 U	< 0.2 U	< 0.08 U		
Molybdenum, Dissolved	7439-98-7	ug/L	--	2.4 J	2.5 J-	2	1.6 J	1.5 J		
Nickel, Dissolved	7440-02-0	ug/L	--	1.4	1.5	1.3	1.4	1.8		
Potassium, Dissolved	7440-09-7	ug/L	--	4400	3900	3100		2900		
Potassium, Dissolved	9/7/7440	ug/L	--				2600			
Selenium, Dissolved	7782-49-2	ug/L	--	0.92 J	< 0.58 U	1.6 J	< 2 U	< 0.58 U		
Silver, Dissolved	7440-22-4	ug/L	--	< 0.1 U	< 0.1 U	< 0.1 U	< 1 U	< 0.1 U		
Sodium, Dissolved	7440-23-5	ug/L	--	44000	43000	37000	25000	26000		
Thallium, Dissolved	7440-28-0	ug/L	--	< 0.1 U	< 0.1 U	< 0.1 U	< 0.2 U	< 0.1 U		
Vanadium, Dissolved	7440-62-2	ug/L	--	7.9	7.3	1.8	2	3.4		
Zinc, Dissolved	7440-66-6	ug/L	--	< 2.8 U	< 2.8 U	< 2.8 U	5.1 J-	6.7 J		
Metals, Total										

Table 2
Surfacewater Analytical Data - Region 9
Upper Animas River

Aluminum, Total	7429-90-5	ug/L	--	180000	210000	110000	42000	43000
Antimony, Total	7440-36-0	ug/L	--	< 0.4 UJ	< 0.4 UJ	< 0.4 U	< 1 UJ	< 0.4 UJ
Arsenic, Total	7440-38-2	ug/L	--	21	22	22	7.2	9.9
Barium, Total	7440-39-3	ug/L	--	2300	2200 J	1000	640	630
Beryllium, Total	7440-41-7	ug/L	--	8.1	10	6.4	2.3	2.5
Cadmium, Total	7440-43-9	ug/L	--	< 0.22 U	0.62	0.29	0.19	< 0.086 U
Calcium, Total	7440-70-2	ug/L	--	480000	360000	99000	74000	74000
Chromium, Total	7440-47-3	ug/L	--	70	110	51	22	22
Cobalt, Total	7440-48-4	ug/L	--	55	59	42	17	18
Copper, Total	7440-50-8	ug/L	--	87	94 B	100	36	50
Iron, Total	7439-89-6	ug/L	--	85000	110000	86000	36000	40000
Lead, Total	7439-92-1	ug/L	--	85	90	82	32	70
Magnesium, Total	7439-95-4	ug/L	--	95000	83000	28000	16000	16000
Manganese, Total	7439-96-5	ug/L	--	3400	3500	1800	810	860
Mercury, Total	7439-97-6	ug/L	--	< 0.08 U	0.12 J	0.11 J	< 0.2 U	< 0.08 U
Molybdenum, Total	7439-98-7	ug/L	--	1.7 J-	2.4 J-	1	1.2 J	1.3 J-
Nickel, Total	7440-02-0	ug/L	--	110	120	50	22	22
Potassium, Total	7440-09-7	ug/L	--	46000	58000	18000		9700
Potassium, Total	9/7/7440	ug/L	--				9500	
Selenium, Total	7782-49-2	ug/L	--	5.2 J	4.9 J+	4.5	1.3 J	0.6 J
Silver, Total	7440-22-4	ug/L	--	0.39 J	0.46 J	0.5 J	0.12 J	0.44 J
Sodium, Total	7440-23-5	ug/L	--	58000	51000	41000	28000	29000
Thallium, Total	7440-28-0	ug/L	--	1.4	1.6	1	0.43	0.46
Vanadium, Total	7440-62-2	ug/L	--	160	190	130	50	57
Zinc, Total	7440-66-6	ug/L	--	290 J-	290	250	100 J-	150 J-
General								
Alkalinity	STL00171	mg/L	--	110	110	97	94	95
pH	STL00204	SU	--	8.12 J	8.17 J	8.24 J	8.1 HF	8.11 J
Total Dissolved Solids	STL00242	mg/L	--	260	370	350	290	320
Total Hardness	STL00009	mg/L	--	1600	1200	360	250	250
Total Suspended Solids	STL00161	mg/L	--	8200	7400	4600	2600	1600

Bold - Bolded results identify a detected value.

Table 2
Surfacewater Analytical Data - Region 9
Upper Animas River

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/kg - Parts per million (milligrams per kilogram). Liquids equivalent = mg/l.

ug/kg - Parts per billion (micrograms per kilogram). liquids equivalent = ug/l

Table 2
Surfacewater Analytical Data - Region 9
Upper Animas River

Analyte	CAS.NO	Units	Location	SJSR	SJSR
			Sample ID	SJSR-081015-11	SJSR-081115-11
			Date	8/10/2015	8/11/2015
			Sample Time	12:10	12:35
			Latitude	36.78162	36.78162
			Longitude	-108.69278	-108.69278
Metals, Dissolved					
Aluminum, Dissolved	7429-90-5	ug/L	--	< 24 U	< 24 U
Antimony, Dissolved	7440-36-0	ug/L	--	< 0.4 UJ	< 0.4 U
Arsenic, Dissolved	7440-38-2	ug/L	--	0.86 J	0.94 J
Barium, Dissolved	7440-39-3	ug/L	--	66	73
Beryllium, Dissolved	7440-41-7	ug/L	--	< 0.15 U	< 0.15 U
Cadmium, Dissolved	7440-43-9	ug/L	--	< 0.043 U	< 0.043 U
Calcium, Dissolved	7440-70-2	ug/L	--	48000	52000
Chromium, Dissolved	7440-47-3	ug/L	--	< 1 U	< 1 U
Cobalt, Dissolved	7440-48-4	ug/L	--	1.5	1.9
Copper, Dissolved	7440-50-8	ug/L	--	2 J+	1.7
Iron, Dissolved	7439-89-6	ug/L	--	< 17 U	< 17 U
Lead, Dissolved	7439-92-1	ug/L	--	< 0.06 U	< 0.06 U
Magnesium, Dissolved	7439-95-4	ug/L	--	5600	6500
Manganese, Dissolved	7439-96-5	ug/L	--	2.9	4
Mercury, Dissolved	7439-97-6	ug/L	--	< 0.08 U	< 0.08 U
Molybdenum, Dissolved	7439-98-7	ug/L	--	1.7 J-	1.6 J
Nickel, Dissolved	7440-02-0	ug/L	--	1.2	1.2
Potassium, Dissolved	7440-09-7	ug/L	--	2900	2800
Potassium, Dissolved	9/7/7440	ug/L	--		
Selenium, Dissolved	7782-49-2	ug/L	--	< 0.58 U	0.75 J
Silver, Dissolved	7440-22-4	ug/L	--	< 0.1 U	< 0.1 U
Sodium, Dissolved	7440-23-5	ug/L	--	30000	26000
Thallium, Dissolved	7440-28-0	ug/L	--	< 0.1 U	< 0.1 U
Vanadium, Dissolved	7440-62-2	ug/L	--	1.5	1.3
Zinc, Dissolved	7440-66-6	ug/L	--	< 2.8 U	< 2.8 U
Metals, Total					

Table 2
Surfacewater Analytical Data - Region 9
Upper Animas River

Aluminum, Total	7429-90-5	ug/L	--	81000	3100
Antimony, Total	7440-36-0	ug/L	--	< 0.4 UJ	< 0.4 U
Arsenic, Total	7440-38-2	ug/L	--	15	2.6
Barium, Total	7440-39-3	ug/L	--	830	240
Beryllium, Total	7440-41-7	ug/L	--	4.4	1.3
Cadmium, Total	7440-43-9	ug/L	--	0.22	0.16
Calcium, Total	7440-70-2	ug/L	--	84000	68000
Chromium, Total	7440-47-3	ug/L	--	40	1 J
Cobalt, Total	7440-48-4	ug/L	--	30	5.6
Copper, Total	7440-50-8	ug/L	--	70 B	13
Iron, Total	7439-89-6	ug/L	--	65000	1500
Lead, Total	7439-92-1	ug/L	--	62	9.9
Magnesium, Total	7439-95-4	ug/L	--	21000	8200
Manganese, Total	7439-96-5	ug/L	--	1300	500
Mercury, Total	7439-97-6	ug/L	--	0.1 J	< 0.08 U
Molybdenum, Total	7439-98-7	ug/L	--	1.4 J-	0.63 J
Nickel, Total	7440-02-0	ug/L	--	36	4.2
Potassium, Total	7440-09-7	ug/L	--	14000	3400
Potassium, Total	9/7/7440	ug/L	--		
Selenium, Total	7782-49-2	ug/L	--	3.5 J+	0.6 J
Silver, Total	7440-22-4	ug/L	--	0.36 J	< 0.1 U
Sodium, Total	7440-23-5	ug/L	--	33000	26000
Thallium, Total	7440-28-0	ug/L	--	0.74	< 0.1 U
Vanadium, Total	7440-62-2	ug/L	--	100	9.8
Zinc, Total	7440-66-6	ug/L	--	180	24
General					
Alkalinity	STL00171	mg/L	--	95	93
pH	STL00204	SU	--	8.19 J	8.2 J
Total Dissolved Solids	STL00242	mg/L	--	330	290
Total Hardness	STL00009	mg/L	--	300	200
Total Suspended Solids	STL00161	mg/L	--	3300	1400

Bold - Bolded results identify a detected value.

Table 2
Surfacewater Analytical Data - Region 9
Upper Animas River

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/kg - Parts per million (milligrams per kilogram). Liquids equivalent = mg/l.

ug/kg - Parts per billion (micrograms per kilogram). liquids equivalent = ug/l

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Analyte	CAS.NO	Units	Location	MECT	MECT	MECT	SJ4C	SJ4C
			Sample ID	MECT-080915-11	MECT-081015-11	MECT-081115-11	SJ4C-080915-11	SJ4C-081015-11
			Date	8/9/2015	8/10/2015	8/11/2015	8/9/2015	8/10/2015
			Sample Time	17:05	14:15	13:45	15:20	15:05
			Latitude	37.21846	37.21846	37.21846	36.99622	36.99622
Metals, Dissolved								
Aluminum, Dissolved	7429-90-5	ug/L	--	62 J	< 24 U	< 24 U	< 24 U	28 J
Antimony, Dissolved	7440-36-0	ug/L	--	< 0.4 U	< 0.4 UJ	< 0.4 U	< 0.4 U	< 0.4 UJ
Arsenic, Dissolved	7440-38-2	ug/L	--	1.3	1.3	0.83 J	0.56 J	1
Barium, Dissolved	7440-39-3	ug/L	--	85	85	68	76	68
Beryllium, Dissolved	7440-41-7	ug/L	--	< 0.15 U				
Cadmium, Dissolved	7440-43-9	ug/L	--	< 0.043 U				
Calcium, Dissolved	7440-70-2	ug/L	--	160000	170000	48000	55000	48000
Chromium, Dissolved	7440-47-3	ug/L	--	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Cobalt, Dissolved	7440-48-4	ug/L	--	0.5	0.45	0.75	< 0.12 U	1.3
Copper, Dissolved	7440-50-8	ug/L	--	2.6	3 J+	1.9	1.7	2.4 J+
Iron, Dissolved	7439-89-6	ug/L	--	17 J	< 17 U	< 17 U	< 17 U	68
Lead, Dissolved	7439-92-1	ug/L	--	0.072 J	< 0.06 U	0.14 J	< 0.06 U	0.077 J
Magnesium, Dissolved	7439-95-4	ug/L	--	68000	71000	5400	6800	5700
Manganese, Dissolved	7439-96-5	ug/L	--	4.2	1.8 J	2.2 J	4.3	3.1
Mercury, Dissolved	7439-97-6	ug/L	--	< 0.08 U				
Molybdenum, Dissolved	7439-98-7	ug/L	--	3	3.1 J-	1.7 J	1.9	1.9 J-
Nickel, Dissolved	7440-02-0	ug/L	--	3.4	3.8	1	1	1.2
Potassium, Dissolved	7440-09-7	ug/L	--	5400	5500	2800	2800	3000
Selenium, Dissolved	7782-49-2	ug/L	--	1.3 J	< 0.58 U	1.4 J	1 J	< 0.58 U
Silver, Dissolved	7440-22-4	ug/L	--	< 0.1 U				
Sodium, Dissolved	7440-23-5	ug/L	--	67000	70000	28000	24000	34000
Thallium, Dissolved	7440-28-0	ug/L	--	< 0.1 U				
Vanadium, Dissolved	7440-62-2	ug/L	--	2.5	2.6	1.6	1	1.6
Zinc, Dissolved	7440-66-6	ug/L	--	< 2.8 U				
Metals, Total								

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Aluminum, Total	7429-90-5	ug/L	--	Aluminum, Total	7429-90-5	ug/L	--	8600
Antimony, Total	7440-36-0	ug/L	--	Antimony, Total	7440-36-0	ug/L	--	< 0.4 UJ
Arsenic, Total	7440-38-2	ug/L	--	Arsenic, Total	7440-38-2	ug/L	--	4.1
Barium, Total	7440-39-3	ug/L	--	Barium, Total	7440-39-3	ug/L	--	180
Beryllium, Total	7440-41-7	ug/L	--	Beryllium, Total	7440-41-7	ug/L	--	0.53
Cadmium, Total	7440-43-9	ug/L	--	Cadmium, Total	7440-43-9	ug/L	--	0.13
Calcium, Total	7440-70-2	ug/L	--	Calcium, Total	7440-70-2	ug/L	--	190000
Chromium, Total	7440-47-3	ug/L	--	Chromium, Total	7440-47-3	ug/L	--	5.9
Cobalt, Total	7440-48-4	ug/L	--	Cobalt, Total	7440-48-4	ug/L	--	3.6
Copper, Total	7440-50-8	ug/L	--	Copper, Total	7440-50-8	ug/L	--	9.6
Iron, Total	7439-89-6	ug/L	--	Iron, Total	7439-89-6	ug/L	--	7600
Lead, Total	7439-92-1	ug/L	--	Lead, Total	7439-92-1	ug/L	--	7.9
Magnesium, Total	7439-95-4	ug/L	--	Magnesium, Total	7439-95-4	ug/L	--	73000
Manganese, Total	7439-96-5	ug/L	--	Manganese, Total	7439-96-5	ug/L	--	360
Mercury, Total	7439-97-6	ug/L	--	Mercury, Total	7439-97-6	ug/L	--	< 0.08 U
Molybdenum, Total	7439-98-7	ug/L	--	Molybdenum, Total	7439-98-7	ug/L	--	3.1 J-
Nickel, Total	7440-02-0	ug/L	--	Nickel, Total	7440-02-0	ug/L	--	9.8
Potassium, Total	7440-09-7	ug/L	--	Potassium, Total	7440-09-7	ug/L	--	8100
Selenium, Total	7782-49-2	ug/L	--	Selenium, Total	7782-49-2	ug/L	--	< 0.58 U
Silver, Total	7440-22-4	ug/L	--	Silver, Total	7440-22-4	ug/L	--	< 0.1 U
Sodium, Total	7440-23-5	ug/L	--	Sodium, Total	7440-23-5	ug/L	--	67000
Thallium, Total	7440-28-0	ug/L	--	Thallium, Total	7440-28-0	ug/L	--	0.16 J
Vanadium, Total	7440-62-2	ug/L	--	Vanadium, Total	7440-62-2	ug/L	--	17
Zinc, Total	7440-66-6	ug/L	--	Zinc, Total	7440-66-6	ug/L	--	29 J-
General				General				
Alkalinity	STL00171	mg/L	--	Alkalinity	STL00171	mg/L	--	210
pH	STL00204	SU	--	pH	STL00204	SU	--	8.26 J
Total Dissolved Solids	STL00242	mg/L	--	Total Dissolved Solids	STL00242	mg/L	--	1000
Total Hardness	STL00009	mg/L	--	Total Hardness	STL00009	mg/L	--	780
Total Suspended Solids	STL00161	mg/L	--	Total Suspended Solids	STL00161	mg/L	--	620

Bold - Bolded results identify a detected value.

Bold - Bolded results identify a detected value.

Highlighted Identifies detection that exceed the PCL (minimum of listed screening values)

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL) Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

* - exceeds MCL

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Analyte	CAS.NO	Units	Location	MECT	MECT	SJ4C	SJ4C	SJ4C
			Sample ID	MECT-081015-11	MECT-081115-11	SJ4C-080915-11	SJ4C-081015-11	SJ4C-081115-11
			Date	8/10/2015	8/11/2015	8/9/2015	8/10/2015	8/11/2015
			Sample Time	14:15	13:45	15:20	15:05	9:52
			Latitude	37.21846	37.21846	36.99622	36.99622	36.99622
Metals, Dissolved			Longitude	-109.19081	-109.19081	-109.00468	-109.00468	-109.00468
Aluminum, Dissolved	7429-90-5	ug/L	--	< 24 U	< 24 U	< 24 U	28 J	25 J
Antimony, Dissolved	7440-36-0	ug/L	--	< 0.4 UJ	< 0.4 U	< 0.4 U	< 0.4 UJ	< 0.4 U
Arsenic, Dissolved	7440-38-2	ug/L	--	1.3	0.83 J	0.56 J	1	1.2
Barium, Dissolved	7440-39-3	ug/L	--	85	68	76	68	65
Beryllium, Dissolved	7440-41-7	ug/L	--	< 0.15 U				
Cadmium, Dissolved	7440-43-9	ug/L	--	< 0.043 U				
Calcium, Dissolved	7440-70-2	ug/L	--	170000	48000	55000	48000	46000
Chromium, Dissolved	7440-47-3	ug/L	--	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Cobalt, Dissolved	7440-48-4	ug/L	--	0.45	0.75	< 0.12 U	1.3	2.5
Copper, Dissolved	7440-50-8	ug/L	--	3 J+	1.9	1.7	2.4 J+	2.5
Iron, Dissolved	7439-89-6	ug/L	--	< 17 U	< 17 U	< 17 U	68	< 17 U
Lead, Dissolved	7439-92-1	ug/L	--	< 0.06 U	0.14 J	< 0.06 U	0.077 J	0.094 J
Magnesium, Dissolved	7439-95-4	ug/L	--	71000	5400	6800	5700	4900
Manganese, Dissolved	7439-96-5	ug/L	--	1.8 J	2.2 J	4.3	3.1	4.6
Mercury, Dissolved	7439-97-6	ug/L	--	< 0.08 U				
Molybdenum, Dissolved	7439-98-7	ug/L	--	3.1 J-	1.7 J	1.9	1.9 J-	2
Nickel, Dissolved	7440-02-0	ug/L	--	3.8	1	1	1.2	1.3
Potassium, Dissolved	7440-09-7	ug/L	--	5500	2800	2800	3000	3300
Selenium, Dissolved	7782-49-2	ug/L	--	< 0.58 U	1.4 J	1 J	< 0.58 U	0.78 J
Silver, Dissolved	7440-22-4	ug/L	--	< 0.1 U				
Sodium, Dissolved	7440-23-5	ug/L	--	70000	28000	24000	34000	40000
Thallium, Dissolved	7440-28-0	ug/L	--	< 0.1 U				
Vanadium, Dissolved	7440-62-2	ug/L	--	2.6	1.6	1	1.6	2
Zinc, Dissolved	7440-66-6	ug/L	--	< 2.8 U				
Metals, Total								

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Aluminum, Total	7429-90-5	ug/L	--	9800	3000	33000	82000	120000
Antimony, Total	7440-36-0	ug/L	--	< 0.4 UJ	< 0.4 U	0.4 J	< 0.4 UJ	< 0.4 U
Arsenic, Total	7440-38-2	ug/L	--	4.5	2.8	13	16	24
Barium, Total	7440-39-3	ug/L	--	180	290	540	810	1200
Beryllium, Total	7440-41-7	ug/L	--	0.53	1.9	2	4.5	7.4
Cadmium, Total	7440-43-9	ug/L	--	0.1	0.18	0.11 J	0.32	0.31
Calcium, Total	7440-70-2	ug/L	--	190000	77000	87000	84000	100000
Chromium, Total	7440-47-3	ug/L	--	7.5	< 1 U	18	44	55
Cobalt, Total	7440-48-4	ug/L	--	3.4	7.6	14	31	48
Copper, Total	7440-50-8	ug/L	--	9.5 B	15	62	74 B	120
Iron, Total	7439-89-6	ug/L	--	7400	1400	35000	70000	91000
Lead, Total	7439-92-1	ug/L	--	7	11	180	71	89
Magnesium, Total	7439-95-4	ug/L	--	77000	8300	17000	23000	28000
Manganese, Total	7439-96-5	ug/L	--	310	700	740	1400	2000
Mercury, Total	7439-97-6	ug/L	--	< 0.08 U	< 0.08 U	< 0.08 U	0.17 J	0.15 J
Molybdenum, Total	7439-98-7	ug/L	--	3.6 J-	0.68 J	2.8 J-	1.5 J-	0.99 J
Nickel, Total	7440-02-0	ug/L	--	9.9	5.2	20	40	55
Potassium, Total	7440-09-7	ug/L	--	9000	3900	9300	16000	19000
Selenium, Total	7782-49-2	ug/L	--	2.9 J+	1.2 J	0.98 J	4.2 J+	5.2
Silver, Total	7440-22-4	ug/L	--	< 0.1 U	< 0.1 U	1.3	0.42 J	0.55 J
Sodium, Total	7440-23-5	ug/L	--	72000	30000	26000	36000	43000
Thallium, Total	7440-28-0	ug/L	--	0.17 J	< 0.1 U	0.4	0.81	1.2
Vanadium, Total	7440-62-2	ug/L	--	20	12	50	110	130
Zinc, Total	7440-66-6	ug/L	--	28	29	160 J-	220	270
General								
Alkalinity	STL00171	mg/L	--	220	92	88	83	97
pH	STL00204	SU	--	8.38 J	8.23 J	8.08 J	8.22 J	8.2 J
Total Dissolved Solids	STL00242	mg/L	--	1100	310	140	390	140
Total Hardness	STL00009	mg/L	--	800	230	290	300	380
Total Suspended Solids	STL00161	mg/L	--	430	2700	2000	4000	6700

Bold - Bolded results identify a detected value.

Highlighted Identifies detection that exceed the PCL (minimum of listed screening values)

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Analyte	CAS.NO	Units	Location	SJ4C	SJBB	SJBB	SJBB	SJDS
			Sample ID	SJ4C-081115-12	SJBB-080915-11	SJBB-081015-11	SJBB-081115-11	SJDS-080915-11
			Date	8/11/2015	8/9/2015	8/10/2015	8/11/2015	8/9/2015
			Sample Time	9:52	18:25	12:40	11:30	13:15
			Latitude	36.99622	37.25737	37.25737	37.25737	36.89331
Metals, Dissolved			Longitude	-109.00468	-109.61859	-109.61859	-109.61859	-108.87864
Aluminum, Dissolved	7429-90-5	ug/L	--	< 24 U	< 24 U	200	1600	1400
Antimony, Dissolved	7440-36-0	ug/L	--	< 0.4 U	< 0.4 U	< 0.4 UJ	< 0.4 U	< 0.4 U
Arsenic, Dissolved	7440-38-2	ug/L	--	0.92 J	1.1	0.8 J	1.2	0.81 J
Barium, Dissolved	7440-39-3	ug/L	--	60	74	77	70	80
Beryllium, Dissolved	7440-41-7	ug/L	--	< 0.15 U				
Cadmium, Dissolved	7440-43-9	ug/L	--	< 0.043 U				
Calcium, Dissolved	7440-70-2	ug/L	--	43000	57000	57000	46000	54000
Chromium, Dissolved	7440-47-3	ug/L	--	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Cobalt, Dissolved	7440-48-4	ug/L	--	0.27 J	0.13 J	0.42	0.87	0.54
Copper, Dissolved	7440-50-8	ug/L	--	2.4	2.3	2.5 J+	3.2	3.5
Iron, Dissolved	7439-89-6	ug/L	--	< 17 U	< 17 U	88	840	1000
Lead, Dissolved	7439-92-1	ug/L	--	< 0.06 U	< 0.06 U	0.29 J	0.67	3.5
Magnesium, Dissolved	7439-95-4	ug/L	--	4700	8000	7900	5600	6800
Manganese, Dissolved	7439-96-5	ug/L	--	< 1.2 U	< 1.2 U	2.8	13	32
Mercury, Dissolved	7439-97-6	ug/L	--	< 0.08 U				
Molybdenum, Dissolved	7439-98-7	ug/L	--	1.9 J	2.1	2.1 J-	1.9	1.7
Nickel, Dissolved	7440-02-0	ug/L	--	1.2	1.2	1.1	1.4	1.5
Potassium, Dissolved	7440-09-7	ug/L	--	3100	3400	3100	3400	2800
Selenium, Dissolved	7782-49-2	ug/L	--	1.7 J	0.86 J	< 0.58 U	1.3 J	< 0.58 U
Silver, Dissolved	7440-22-4	ug/L	--	< 0.1 U				
Sodium, Dissolved	7440-23-5	ug/L	--	38000	31000	27000	37000	24000
Thallium, Dissolved	7440-28-0	ug/L	--	< 0.1 U				
Vanadium, Dissolved	7440-62-2	ug/L	--	1.5	2.8	1.7	3.7	2.8
Zinc, Dissolved	7440-66-6	ug/L	--	< 2.8 U	< 2.8 U	< 2.8 U	4.9 J	7 J
Metals, Total								

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Aluminum, Total	7429-90-5	ug/L	--	110000	53000	42000	110000	31000
Antimony, Total	7440-36-0	ug/L	--	< 0.4 U	< 0.4 UJ	< 0.4 UJ	< 0.4 U	< 0.4 UJ
Arsenic, Total	7440-38-2	ug/L	--	23	9.2	13	21	9.4
Barium, Total	7440-39-3	ug/L	--	1100	720	610	1000	490
Beryllium, Total	7440-41-7	ug/L	--	7.1	3.1	2.4	6.3	1.8
Cadmium, Total	7440-43-9	ug/L	--	0.35	0.12 J	0.27	0.33	0.12 J
Calcium, Total	7440-70-2	ug/L	--	99000	130000	100000	99000	72000
Chromium, Total	7440-47-3	ug/L	--	53	27	25	50	18
Cobalt, Total	7440-48-4	ug/L	--	46	22	18	42	13
Copper, Total	7440-50-8	ug/L	--	110	51	56 B	100	44
Iron, Total	7439-89-6	ug/L	--	86000	43000	39000	85000	31000
Lead, Total	7439-92-1	ug/L	--	84	40	120	82	96
Magnesium, Total	7439-95-4	ug/L	--	27000	26000	21000	27000	14000
Manganese, Total	7439-96-5	ug/L	--	2000	1200	950	1800	700
Mercury, Total	7439-97-6	ug/L	--	0.16 J	< 0.08 U	< 0.08 U	0.12 J	< 0.08 U
Molybdenum, Total	7439-98-7	ug/L	--	0.96 J	1.5 J-	2.3 J-	1	1.7 J-
Nickel, Total	7440-02-0	ug/L	--	52	32	26	49	17
Potassium, Total	7440-09-7	ug/L	--	18000	13000	11000	17000	8100
Selenium, Total	7782-49-2	ug/L	--	4.2	< 0.58 U	3.9 J+	3.8	1.1 J
Silver, Total	7440-22-4	ug/L	--	0.52 J	0.2 J	0.86 J	0.51 J	0.67 J
Sodium, Total	7440-23-5	ug/L	--	41000	35000	29000	40000	26000
Thallium, Total	7440-28-0	ug/L	--	1.1	0.57	0.48	1	0.35
Vanadium, Total	7440-62-2	ug/L	--	130	68	63	120	43
Zinc, Total	7440-66-6	ug/L	--	250	150 J-	160	250	130 J-
General								
Alkalinity	STL00171	mg/L	--	96	110	94	97	92
pH	STL00204	SU	--	8.19 J	8.1 J	8.2 J	8.23 J	8.07 J
Total Dissolved Solids	STL00242	mg/L	--	350	310	380	330	160
Total Hardness	STL00009	mg/L	--	360	430	340	360	240
Total Suspended Solids	STL00161	mg/L	--	5200	430	2300	5100	2100

Bold - Bolded results identify a detected value.

Highlighted Identifies detection that exceed the PCL (minimum of listed screening values)

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Analyte	CAS.NO	Units	Location	SJDS	SJDS	SJFP	SJFP	SJFP
			Sample ID	SJDS-081015-11	SJDS-081115-11	SJFP-080815-11	SJFP-080915-11	SJFP-081015-11
			Date	8/10/2015	8/11/2015	8/8/2015	8/9/2015	8/10/2015
			Sample Time	13:25	11:40	18:40	10:15	10:35
			Latitude	36.89331	36.89331	36.74816	36.74816	36.74816
Metals, Dissolved			Longitude	-108.87864	-108.87864	-108.41202	-108.41202	-108.41202
Aluminum, Dissolved	7429-90-5	ug/L	--	29 J	69 J	< 200 U	< 24 U	< 24 U
Antimony, Dissolved	7440-36-0	ug/L	--	< 0.4 UJ	< 0.4 U	< 1 UJ	< 0.4 U	1.3 J-
Arsenic, Dissolved	7440-38-2	ug/L	--	0.51 J	0.97 J	< 1 U	0.41 J	0.7 J
Barium, Dissolved	7440-39-3	ug/L	--	64	71	66	68	68
Beryllium, Dissolved	7440-41-7	ug/L	--	< 0.15 U	< 0.15 U	< 0.4 U	< 0.15 U	< 0.15 U
Cadmium, Dissolved	7440-43-9	ug/L	--	< 0.043 U	< 0.043 U	< 0.1 U	< 0.043 U	< 0.043 U
Calcium, Dissolved	7440-70-2	ug/L	--	47000	53000	50000	50000	50000
Chromium, Dissolved	7440-47-3	ug/L	--	< 1 U	< 1 U	< 2 U	< 1 U	< 1 U
Cobalt, Dissolved	7440-48-4	ug/L	--	0.33 J	2.1	0.13 J	0.12 J	0.24 J
Copper, Dissolved	7440-50-8	ug/L	--	2.4 J+	2.5	1.5	1.5	1.5 J+
Iron, Dissolved	7439-89-6	ug/L	--	< 17 U	34 J	< 50 U	< 17 U	< 17 U
Lead, Dissolved	7439-92-1	ug/L	--	0.06 J	0.086 J	< 0.3 U	< 0.06 U	< 0.06 U
Magnesium, Dissolved	7439-95-4	ug/L	--	5500	7000	6400	6500	6700
Manganese, Dissolved	7439-96-5	ug/L	--	1.7 J	5	4.6	4.1	7.3
Mercury, Dissolved	7439-97-6	ug/L	--	< 0.08 U	< 0.08 U	< 0.2 U	< 0.08 U	< 0.08 U
Molybdenum, Dissolved	7439-98-7	ug/L	--	1.8 J-	2 J	1.7	1.5	1.3 J-
Nickel, Dissolved	7440-02-0	ug/L	--	1.2	1.3	1.2	1.2	1
Potassium, Dissolved	7440-09-7	ug/L	--	3000	3100	2400	2300	2300
Selenium, Dissolved	7782-49-2	ug/L	--	< 0.58 U	0.97 J	< 2 U	< 0.58 U	< 0.58 U
Silver, Dissolved	7440-22-4	ug/L	--	< 0.1 U	< 0.1 U	< 1 U	< 0.1 U	< 0.1 U
Sodium, Dissolved	7440-23-5	ug/L	--	34000	36000	20000	20000	19000
Thallium, Dissolved	7440-28-0	ug/L	--	< 0.1 U	< 0.1 U	< 0.2 U	< 0.1 U	< 0.1 U
Vanadium, Dissolved	7440-62-2	ug/L	--	1.5	1.8	< 1 U	0.81 J	0.99 J
Zinc, Dissolved	7440-66-6	ug/L	--	< 2.8 U	< 2.8 U	< 20 UJ	< 2.8 U	< 2.8 U
Metals, Total								

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Aluminum, Total	7429-90-5	ug/L	--	79000	64000	22000	25000	10000
Antimony, Total	7440-36-0	ug/L	--	< 0.4 UJ	< 0.4 U	0.59 J-	< 0.4 UJ	< 0.4 UJ
Arsenic, Total	7440-38-2	ug/L	--	15	12	11	5.1	4.3
Barium, Total	7440-39-3	ug/L	--	810	620	260	340	170
Beryllium, Total	7440-41-7	ug/L	--	4.5	3.6	0.97	1.4	0.6
Cadmium, Total	7440-43-9	ug/L	--	0.31	0.29	0.39	< 0.086 U	< 0.043 U
Calcium, Total	7440-70-2	ug/L	--	81000	81000	60000	64000	56000
Chromium, Total	7440-47-3	ug/L	--	39	32	9.9	17	8
Cobalt, Total	7440-48-4	ug/L	--	29	24	6.1	10	3.9
Copper, Total	7440-50-8	ug/L	--	74 B	59	46	32	13 B
Iron, Total	7439-89-6	ug/L	--	67000	53000	25000	22000	8700
Lead, Total	7439-92-1	ug/L	--	69	58	200	47	18
Magnesium, Total	7439-95-4	ug/L	--	22000	21000	10000	13000	9000
Manganese, Total	7439-96-5	ug/L	--	1300	1000	380	500	210
Mercury, Total	7439-97-6	ug/L	--	0.1 J	< 0.08 U	< 0.2 U	< 0.08 U	< 0.08 U
Molybdenum, Total	7439-98-7	ug/L	--	1.2 J-	1.2 J	3.2	1.4 J-	1.5 J-
Nickel, Total	7440-02-0	ug/L	--	38	30	8.9	15	6.2
Potassium, Total	7440-09-7	ug/L	--	15000	13000	7000	7300	4400
Selenium, Total	7782-49-2	ug/L	--	3.3 J+	3.4	0.98 J	0.92 J	2.3 J+
Silver, Total	7440-22-4	ug/L	--	0.44 J	0.32 J	1.4	0.31 J	0.13 J
Sodium, Total	7440-23-5	ug/L	--	38000	39000	22000	22000	19000
Thallium, Total	7440-28-0	ug/L	--	0.74	0.63	0.23	0.26	0.12 J
Vanadium, Total	7440-62-2	ug/L	--	98	82	27	31	16
Zinc, Total	7440-66-6	ug/L	--	210	160	130 J-	94 J-	38
General								
Alkalinity	STL00171	mg/L	--	93	100	84	93	98
pH	STL00204	SU	--	8.17 J	8.28 J	8.06 HF	8.03 J	8.19 J
Total Dissolved Solids	STL00242	mg/L	--	340	340	290	240	270
Total Hardness	STL00009	mg/L	--	290	290	190	210	180
Total Suspended Solids	STL00161	mg/L	--	4300	2600	680	1100	840

Bold - Bolded results identify a detected value.

Highlighted Identifies detection that exceed the PCL (minimum of listed screening values)

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Analyte	CAS.NO	Units	Location	SJFP	SJHB	SJHB	SJHB	SJHB
			Sample ID	SJFP-081115-11	10-25.20150807.RS	SJHB-080815-11	SJHB-080915-11	SJHB-081015-11
			Date	8/11/2015	8/7/2015	8/8/2015	8/9/2015	8/10/2015
			Sample Time	13:45	11:30	19:10	11:31	11:25
			Latitude	36.74816	36.74519	36.74519	36.74519	36.74519
Metals, Dissolved			Longitude	-108.41202	-108.53776	-108.53776	-108.53776	-108.53776
Aluminum, Dissolved	7429-90-5	ug/L	--	< 24 U	< 200 U	< 200 U	330	< 24 U
Antimony, Dissolved	7440-36-0	ug/L	--	< 0.4 U	< 1 UJ	< 1 UJ	< 0.4 U	< 0.4 UJ
Arsenic, Dissolved	7440-38-2	ug/L	--	0.56 J	0.56 J	< 1 U	0.39 J	0.67 J
Barium, Dissolved	7440-39-3	ug/L	--	74	68	67	70	69
Beryllium, Dissolved	7440-41-7	ug/L	--	< 0.15 U	< 0.4 U	< 0.4 U	< 0.15 U	< 0.15 U
Cadmium, Dissolved	7440-43-9	ug/L	--	< 0.043 U	< 0.1 U	< 0.1 U	< 0.043 U	< 0.043 U
Calcium, Dissolved	7440-70-2	ug/L	--	56000	56000	54000	52000	51000
Chromium, Dissolved	7440-47-3	ug/L	--	< 1 U	< 2 U	< 2 U	< 1 U	< 1 U
Cobalt, Dissolved	7440-48-4	ug/L	--	1.4	0.96	< 0.4 U	0.2 J	0.35 J
Copper, Dissolved	7440-50-8	ug/L	--	1.8	1.2	1.7	1.8	2.1 J+
Iron, Dissolved	7439-89-6	ug/L	--	< 17 U	< 50 U	< 50 U	220	< 17 U
Lead, Dissolved	7439-92-1	ug/L	--	< 0.06 U	0.093 J	< 0.3 U	0.36	< 0.06 U
Magnesium, Dissolved	7439-95-4	ug/L	--	7400	7300	6900	6800	6800
Manganese, Dissolved	7439-96-5	ug/L	--	18	3.3	1.2 J	6.1	2.7
Mercury, Dissolved	7439-97-6	ug/L	--	< 0.08 U	< 0.2 U	< 0.2 U	< 0.08 U	< 0.08 U
Molybdenum, Dissolved	7439-98-7	ug/L	--	1.3	1.5	1.8	1.5 J	1.3 J-
Nickel, Dissolved	7440-02-0	ug/L	--	1.1	1	1.1	1.1	0.98 J
Potassium, Dissolved	7440-09-7	ug/L	--	2400	2500	2500	2500	2300
Selenium, Dissolved	7782-49-2	ug/L	--	< 0.58 U	< 2 U	< 2 U	0.7 J	< 0.58 U
Silver, Dissolved	7440-22-4	ug/L	--	< 0.1 U	< 1 U	< 1 U	< 0.1 U	< 0.1 U
Sodium, Dissolved	7440-23-5	ug/L	--	20000	23000	22000	22000	19000
Thallium, Dissolved	7440-28-0	ug/L	--	< 0.1 U	< 0.2 U	< 0.2 U	< 0.1 U	< 0.1 U
Vanadium, Dissolved	7440-62-2	ug/L	--	1	1.3	0.34 J	1.3	0.96 J
Zinc, Dissolved	7440-66-6	ug/L	--	< 2.8 U	< 20 UJ	< 20 UJ	< 2.8 U	< 2.8 U
Metals, Total								

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Aluminum, Total	7429-90-5	ug/L	--	9200	21000	30000	35000	13000
Antimony, Total	7440-36-0	ug/L	--	< 0.4 U	< 1 UJ	0.51 J-	< 0.4 UJ	< 0.4 UJ
Arsenic, Total	7440-38-2	ug/L	--	3	3.7	14	6.2	3.8
Barium, Total	7440-39-3	ug/L	--	270	330	570	520	260
Beryllium, Total	7440-41-7	ug/L	--	0.57	0.93	1.8	2.4	0.89
Cadmium, Total	7440-43-9	ug/L	--	< 0.043 U	0.2	0.51	< 0.086 U	0.056 J
Calcium, Total	7440-70-2	ug/L	--	61000	68000	77000	81000	60000
Chromium, Total	7440-47-3	ug/L	--	5.6	11	16	22	9.7
Cobalt, Total	7440-48-4	ug/L	--	4.4	7.4	13	17	6.2
Copper, Total	7440-50-8	ug/L	--	12	17	61	42	16 B
Iron, Total	7439-89-6	ug/L	--	8300	16000	36000	31000	11000
Lead, Total	7439-92-1	ug/L	--	16	15	250	57	22
Magnesium, Total	7439-95-4	ug/L	--	9400	12000	13000	16000	9600
Manganese, Total	7439-96-5	ug/L	--	270	390	940	990	400 J
Mercury, Total	7439-97-6	ug/L	--	< 0.08 U	< 0.2 U	< 0.2 U	< 0.08 U	< 0.08 U
Molybdenum, Total	7439-98-7	ug/L	--	1.4	1.5	3	1.1 J-	1.5 J-
Nickel, Total	7440-02-0	ug/L	--	6.2	10	16	22	8.5
Potassium, Total	7440-09-7	ug/L	--	4500	6600	8700	9200	5000
Selenium, Total	7782-49-2	ug/L	--	1 J	0.74 J	1.5 J	< 0.58 U	2.3 J+
Silver, Total	7440-22-4	ug/L	--	< 0.1 U	< 1 U	1.6	0.38 J	0.14 J
Sodium, Total	7440-23-5	ug/L	--	20000	25000	23000	24000	19000
Thallium, Total	7440-28-0	ug/L	--	0.11 J	0.18 J	0.35	0.38	0.15 J
Vanadium, Total	7440-62-2	ug/L	--	15	25	41	42	21
Zinc, Total	7440-66-6	ug/L	--	42	57 J-	170 J-	130 J-	55
General								
Alkalinity	STL00171	mg/L	--	92	110	82	94	90
pH	STL00204	SU	--	8.27 J	8.18 HF	7.99 HF	8.12 J	8.15 J
Total Dissolved Solids	STL00242	mg/L	--	300	290	290	310	260
Total Hardness	STL00009	mg/L	--	190	220	250	270	190
Total Suspended Solids	STL00161	mg/L	--	640	1700	2900	2200	880

Bold - Bolded results identify a detected value.

Highlighted Identifies detection that exceed the PCL (minimum of listed screening values)

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Analyte	CAS.NO	Units	Location	SJHB	SJHB	SJLP	SJLP	SJLP
			Sample ID	SJHB-081015-12	SJHB-081115-11	SJLP-080815-11	SJLP-080915-11	SJLP-081015-11
			Date	8/10/2015	8/11/2015	8/8/2015	8/9/2015	8/10/2015
			Sample Time	11:25	13:05	15:32	9:54	9:40
			Latitude	36.74519	36.74519	36.73589	36.73589	36.73589
Metals, Dissolved			Longitude	-108.53776	-108.53776	-108.25399	-108.25399	-108.25399
Aluminum, Dissolved	7429-90-5	ug/L	--	< 24 U	1800	< 200 U	< 24 U	< 24 U
Antimony, Dissolved	7440-36-0	ug/L	--	< 0.4 UJ	0.4 J	< 1 UJ	< 0.4 U	< 0.4 UJ
Arsenic, Dissolved	7440-38-2	ug/L	--	0.99 J	1.9	< 1 U	0.42 J	0.56 J
Barium, Dissolved	7440-39-3	ug/L	--	67	160	61	72	70
Beryllium, Dissolved	7440-41-7	ug/L	--	< 0.15 U	< 0.15 U	< 0.4 U	< 0.15 U	< 0.15 U
Cadmium, Dissolved	7440-43-9	ug/L	--	< 0.043 U	< 0.043 U	< 0.1 U	< 0.043 U	< 0.043 U
Calcium, Dissolved	7440-70-2	ug/L	--	50000	40000	47000	51000	50000
Chromium, Dissolved	7440-47-3	ug/L	--	< 1 U	1.2 J	< 2 U	< 1 U	< 1 U
Cobalt, Dissolved	7440-48-4	ug/L	--	0.16 J	1.4	0.12 J	< 0.12 U	0.52
Copper, Dissolved	7440-50-8	ug/L	--	1.4 J+	3.4	1.5	1.7	1.3 J+
Iron, Dissolved	7439-89-6	ug/L	--	< 17 U	840	18 J	< 17 U	< 17 U
Lead, Dissolved	7439-92-1	ug/L	--	< 0.06 U	0.56	0.094 J	< 0.06 U	< 0.06 U
Magnesium, Dissolved	7439-95-4	ug/L	--	6700	6800	6100	6600	6500
Manganese, Dissolved	7439-96-5	ug/L	--	2.1 J	16	5.8	5.1	9.7
Mercury, Dissolved	7439-97-6	ug/L	--	< 0.08 U	< 0.08 U	< 0.2 U	< 0.08 U	< 0.08 U
Molybdenum, Dissolved	7439-98-7	ug/L	--	1.3 J-	2.6 J	1.6	1.4	1.3 J-
Nickel, Dissolved	7440-02-0	ug/L	--	1.2	1.8	1.1	1.2	1.1
Potassium, Dissolved	7440-09-7	ug/L	--	2300	4200	2400	2400	2300
Selenium, Dissolved	7782-49-2	ug/L	--	< 0.58 U	< 0.58 U	< 2 U	0.87 J	< 0.58 U
Silver, Dissolved	7440-22-4	ug/L	--	< 0.1 U	< 0.1 U	< 1 U	< 0.1 U	< 0.1 U
Sodium, Dissolved	7440-23-5	ug/L	--	18000	52000	19000	19000	17000
Thallium, Dissolved	7440-28-0	ug/L	--	< 0.1 U	< 0.1 U	< 0.2 U	< 0.1 U	< 0.1 U
Vanadium, Dissolved	7440-62-2	ug/L	--	0.89 J	11	0.35 J	0.84 J	0.92 J
Zinc, Dissolved	7440-66-6	ug/L	--	< 2.8 U	< 2.8 U	< 20 UJ	< 2.8 U	< 2.8 U
Metals, Total								

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Aluminum, Total	7429-90-5	ug/L	--	13000	270000	28000	25000	12000
Antimony, Total	7440-36-0	ug/L	--	< 0.4 UJ	< 0.4 U	< 1 UJ	< 0.4 UJ	< 0.4 UJ
Arsenic, Total	7440-38-2	ug/L	--	3.7	26	11	6.3	3.6
Barium, Total	7440-39-3	ug/L	--	240	2600 J	490	520	260
Beryllium, Total	7440-41-7	ug/L	--	0.78	12	1.4	1.8	0.7
Cadmium, Total	7440-43-9	ug/L	--	0.054 J	0.45	0.35	0.19	0.14
Calcium, Total	7440-70-2	ug/L	--	57000	280000	64000	72000	56000
Chromium, Total	7440-47-3	ug/L	--	10	150	14	16	8.3
Cobalt, Total	7440-48-4	ug/L	--	5.4	73	9.9	13	5.2
Copper, Total	7440-50-8	ug/L	--	16 B	110	42	33	15 B
Iron, Total	7439-89-6	ug/L	--	11000	140000	29000	24000	11000
Lead, Total	7439-92-1	ug/L	--	22	130	150	48	21
Magnesium, Total	7439-95-4	ug/L	--	9500	94000	12000	13000	9300
Manganese, Total	7439-96-5	ug/L	--	290 J	3400	570	830	270
Mercury, Total	7439-97-6	ug/L	--	< 0.08 U	0.2	< 0.2 U	< 0.08 U	< 0.08 U
Molybdenum, Total	7439-98-7	ug/L	--	1.5 J-	2 J	2.4	1.3 J-	1.4 J-
Nickel, Total	7440-02-0	ug/L	--	8.1	140	13	17	7.7
Potassium, Total	7440-09-7	ug/L	--	5100	73000	8100	7600	4900
Selenium, Total	7782-49-2	ug/L	--	2 J+	6	0.74 J	< 0.58 U	< 0.58 U
Silver, Total	7440-22-4	ug/L	--	0.15 J	0.63 J	0.96 J	0.3 J	0.13 J
Sodium, Total	7440-23-5	ug/L	--	19000	65000	21000	20000	18000
Thallium, Total	7440-28-0	ug/L	--	0.15 J	1.8	0.3	0.28	0.14 J
Vanadium, Total	7440-62-2	ug/L	--	20	230	34	34	19
Zinc, Total	7440-66-6	ug/L	--	51	340	130 J-	110 J-	50
General								
Alkalinity	STL00171	mg/L	--	90	110	86	92	88
pH	STL00204	SU	--	8.16 J	8.3 J	8.05 HF	8.1 J	8.18 J
Total Dissolved Solids	STL00242	mg/L	--	260	350	250	280	260
Total Hardness	STL00009	mg/L	--	180	1100	210	230	180
Total Suspended Solids	STL00161	mg/L	--	1000	6300	1300	1600	1400

Bold - Bolded results identify a detected value.

Highlighted Identifies detection that exceed the PCL (minimum of listed screening values)

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Analyte	CAS.NO	Units	Location	SJLP	SJMC	SJMC	SJMC	SJMC
			Sample ID	SJLP-081115-11	SJMC-080915-11	SJMC-081015-11	SJMC-081015-12	SJMC-081115-11
			Date	8/11/2015	8/9/2015	8/10/2015	8/10/2015	8/11/2015
			Sample Time	14:25	17:50	13:35	13:40	12:20
			Latitude	36.73589	37.25823	37.25823	37.25823	37.25823
Metals, Dissolved			Longitude	-108.25399	-109.31060	-109.31060	-109.31060	-109.31060
Aluminum, Dissolved	7429-90-5	ug/L	--	32 J	28 J	< 24 UJ	2300 J	< 24 U
Antimony, Dissolved	7440-36-0	ug/L	--	< 0.4 U	< 0.4 U	< 0.4 UJ	< 0.4 UJ	< 0.4 U
Arsenic, Dissolved	7440-38-2	ug/L	--	0.96 J	0.86 J	0.88 J	1.2	1.3
Barium, Dissolved	7440-39-3	ug/L	--	67	77	73	94	86
Beryllium, Dissolved	7440-41-7	ug/L	--	< 0.15 U				
Cadmium, Dissolved	7440-43-9	ug/L	--	< 0.043 U				
Calcium, Dissolved	7440-70-2	ug/L	--	50000	57000	54000	58000	180000
Chromium, Dissolved	7440-47-3	ug/L	--	< 1 U	< 1 U	< 1 U	2	< 1 U
Cobalt, Dissolved	7440-48-4	ug/L	--	2	0.13 J	0.12 J	0.92	1.4
Copper, Dissolved	7440-50-8	ug/L	--	2.3	2	2.5 J+	4.8 J+	2.5
Iron, Dissolved	7439-89-6	ug/L	--	< 17 U	< 17 U	< 17 UJ	1800 J	< 17 U
Lead, Dissolved	7439-92-1	ug/L	--	0.064 J	< 0.06 U	< 0.06 UJ	2.8	< 0.06 U
Magnesium, Dissolved	7439-95-4	ug/L	--	6600	8200	7400	8400	75000
Manganese, Dissolved	7439-96-5	ug/L	--	3.6	1.2 J	< 1.2 UJ	36	3.7
Mercury, Dissolved	7439-97-6	ug/L	--	< 0.08 U				
Molybdenum, Dissolved	7439-98-7	ug/L	--	2 J	2.1	2 J-	2.2 J-	3.4
Nickel, Dissolved	7440-02-0	ug/L	--	1.4	1.5	1.2	2.4	3.7
Potassium, Dissolved	7440-09-7	ug/L	--	3100	3000	2900	3500	6000
Selenium, Dissolved	7782-49-2	ug/L	--	0.85 J	0.9 J	< 0.58 U	< 0.58 U	2
Silver, Dissolved	7440-22-4	ug/L	--	< 0.1 U				
Sodium, Dissolved	7440-23-5	ug/L	--	35000	30000	30000	33000	75000
Thallium, Dissolved	7440-28-0	ug/L	--	< 0.1 U				
Vanadium, Dissolved	7440-62-2	ug/L	--	1.9	2.6	1.8 J	6	2.3
Zinc, Dissolved	7440-66-6	ug/L	--	< 2.8 U	< 2.8 U	< 2.8 UJ	8.1 J	< 2.8 U
Metals, Total								

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Aluminum, Total	7429-90-5	ug/L	--	97000	46000	69000	59000	10000
Antimony, Total	7440-36-0	ug/L	--	< 0.4 U	< 0.4 UJ	< 0.4 UJ	< 0.4 UJ	< 0.4 U
Arsenic, Total	7440-38-2	ug/L	--	19	8.9	14	13	4.9
Barium, Total	7440-39-3	ug/L	--	890	600	730	700	180
Beryllium, Total	7440-41-7	ug/L	--	5.5	2.6	3.6	3.6	0.59
Cadmium, Total	7440-43-9	ug/L	--	0.23	< 0.086 U	0.26	0.34	0.22
Calcium, Total	7440-70-2	ug/L	--	98000	97000	97000	100000	210000
Chromium, Total	7440-47-3	ug/L	--	47	25	37	33	8
Cobalt, Total	7440-48-4	ug/L	--	36	19	25	24	3.9
Copper, Total	7440-50-8	ug/L	--	85	44	64 B	64 B	11
Iron, Total	7439-89-6	ug/L	--	75000	38000	58000	51000	8400
Lead, Total	7439-92-1	ug/L	--	76	33	76	77	7.6
Magnesium, Total	7439-95-4	ug/L	--	28000	21000	24000	23000	79000
Manganese, Total	7439-96-5	ug/L	--	1600	940	1200	1200	310
Mercury, Total	7439-97-6	ug/L	--	< 0.08 U				
Molybdenum, Total	7439-98-7	ug/L	--	1.4 J	1.5 J-	2.1 J-	1.6 J-	4.5
Nickel, Total	7440-02-0	ug/L	--	43	26	35	33	13
Potassium, Total	7440-09-7	ug/L	--	18000	11000	14000	12000	9400
Selenium, Total	7782-49-2	ug/L	--	3.9	0.84 J	4.5 J+	3.3 J+	3.3
Silver, Total	7440-22-4	ug/L	--	0.44 J	0.19 J	0.49 J	0.52 J	< 0.1 U
Sodium, Total	7440-23-5	ug/L	--	39000	32000	32000	34000	75000
Thallium, Total	7440-28-0	ug/L	--	0.95	0.49	0.68	0.64	0.26
Vanadium, Total	7440-62-2	ug/L	--	120	60	92	80	24
Zinc, Total	7440-66-6	ug/L	--	230	130 J-	190	180	36
General								
Alkalinity	STL00171	mg/L	--	110	100	97	98	210
pH	STL00204	SU	--	8.28 J	8.14 J	8.22 J	8.22 J	8.32 J
Total Dissolved Solids	STL00242	mg/L	--	330	160	360	350	1100
Total Hardness	STL00009	mg/L	--	360	330	340	340	840
Total Suspended Solids	STL00161	mg/L	--	3700	3300	3200	2800	550

Bold - Bolded results identify a detected value.

Highlighted Identifies detection that exceed the PCL (minimum of listed screening values)

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Analyte	CAS.NO	Units	Location	SJME	SJME	SJME	SJME	SJME
			Sample ID	SJME-080915-11	SJME-080915-12	SJME-081015-11	SJME-081115-11	SJME-081115-12
			Date	8/9/2015	8/9/2015	8/10/2015	8/11/2015	8/11/2015
			Sample Time	16:35	16:35	14:40	13:30	13:35
			Latitude	37.21681	37.21681	37.21681	37.21681	37.21681
Metals, Dissolved			Longitude	-109.19615	-109.19615	-109.19615	-109.19615	-109.19615
Aluminum, Dissolved	7429-90-5	ug/L	--	3200 J	5700 J	2200	< 24 UJ	9300 J
Antimony, Dissolved	7440-36-0	ug/L	--	< 0.4 U	< 0.4 U	< 0.4 UJ	< 0.4 U	< 0.4 U
Arsenic, Dissolved	7440-38-2	ug/L	--	1.1	1	1.3	0.72 J	3.1 J
Barium, Dissolved	7440-39-3	ug/L	--	97	120	92	80 J	270 J
Beryllium, Dissolved	7440-41-7	ug/L	--	< 0.15 U	0.26 J	< 0.15 U	< 0.15 U	0.61 J
Cadmium, Dissolved	7440-43-9	ug/L	--	< 0.043 U	< 0.043 U	< 0.043 U	0.047 J	0.051 J
Calcium, Dissolved	7440-70-2	ug/L	--	59000	61000	53000	59000	65000
Chromium, Dissolved	7440-47-3	ug/L	--	2.5	5	1.9 J	< 1 U	6.1 J
Cobalt, Dissolved	7440-48-4	ug/L	--	0.87	1.6	0.83	1.3 J	4.7 J
Copper, Dissolved	7440-50-8	ug/L	--	3.9	5.1	4.5 J+	1.5 J	12 J
Iron, Dissolved	7439-89-6	ug/L	--	2000 J	3500 J	1600	< 17 UJ	8700 J
Lead, Dissolved	7439-92-1	ug/L	--	1.5	2.9	2.1	< 0.06 UJ	17 J
Magnesium, Dissolved	7439-95-4	ug/L	--	7800	8500	6700	7900	10000 J
Manganese, Dissolved	7439-96-5	ug/L	--	34	67	31	10 J	320 J
Mercury, Dissolved	7439-97-6	ug/L	--	< 0.08 U				
Molybdenum, Dissolved	7439-98-7	ug/L	--	2.1 J	2 J	2.1 J-	1.4	1.4
Nickel, Dissolved	7440-02-0	ug/L	--	2.2	3.2	2.3	1.3 J	6.6 J
Potassium, Dissolved	7440-09-7	ug/L	--	3900	4500	3400	2400 J	4600 J
Selenium, Dissolved	7782-49-2	ug/L	--	0.98 J	0.84 J	< 0.58 U	0.77 J	0.97 J
Silver, Dissolved	7440-22-4	ug/L	--	< 0.1 U				
Sodium, Dissolved	7440-23-5	ug/L	--	31000	31000	32000	22000	21000
Thallium, Dissolved	7440-28-0	ug/L	--	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	0.11 J
Vanadium, Dissolved	7440-62-2	ug/L	--	5.9	9.6	6.2	0.88 J	16 J
Zinc, Dissolved	7440-66-6	ug/L	--	7.1 J	12 J	7.1 J	< 2.8 UJ	42 J
Metals, Total								

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Aluminum, Total	7429-90-5	ug/L	--	59000	58000	78000	5600 J	< 24 UJ
Antimony, Total	7440-36-0	ug/L	--	< 0.4 UJ	< 0.4 UJ	< 0.4 UJ	< 0.4 U	< 0.4 U
Arsenic, Total	7440-38-2	ug/L	--	11	10	15	1.7	0.99 J
Barium, Total	7440-39-3	ug/L	--	860	880	830	170 J	81 J
Beryllium, Total	7440-41-7	ug/L	--	3.7	3.7	4.4	0.31 J	< 0.15 UJ
Cadmium, Total	7440-43-9	ug/L	--	0.34	0.33	0.31	< 0.043 U	< 0.043 U
Calcium, Total	7440-70-2	ug/L	--	130000	130000	96000	62000	60000
Chromium, Total	7440-47-3	ug/L	--	28	28	41	4.1	< 1 UJ
Cobalt, Total	7440-48-4	ug/L	--	23	24	30	2.3	0.29 J
Copper, Total	7440-50-8	ug/L	--	54	55	79 B	7.7 J	1.6 J
Iron, Total	7439-89-6	ug/L	--	47000	46000	66000	4800 J	< 17 UJ
Lead, Total	7439-92-1	ug/L	--	46	46	78	10 J	< 0.06 UJ
Magnesium, Total	7439-95-4	ug/L	--	27000	27000	24000	9100	8200 J
Manganese, Total	7439-96-5	ug/L	--	1200	1300	1400	130 J	3.4 J
Mercury, Total	7439-97-6	ug/L	--	< 0.08 U	< 0.08 U	0.096 J	< 0.08 U	< 0.08 U
Molybdenum, Total	7439-98-7	ug/L	--	1.7 J-	1.4 J-	1.6 J-	1.4	1.4
Nickel, Total	7440-02-0	ug/L	--	36	37	41	3.9 J	1.1 J
Potassium, Total	7440-09-7	ug/L	--	15000	15000	15000	3600 J	2500 J
Selenium, Total	7782-49-2	ug/L	--	< 0.58 U	< 0.58 U	3.6 J+	2.6	0.94 J
Silver, Total	7440-22-4	ug/L	--	0.26 J	0.27 J	0.54 J	< 0.1 U	< 0.1 U
Sodium, Total	7440-23-5	ug/L	--	32000	33000	35000	22000	21000
Thallium, Total	7440-28-0	ug/L	--	0.71	0.68	0.78	< 0.1 U	< 0.1 U
Vanadium, Total	7440-62-2	ug/L	--	70	66	99	9.2	0.88 J
Zinc, Total	7440-66-6	ug/L	--	160 J-	160 J-	220	23 J	< 2.8 UJ
General								
Alkalinity	STL00171	mg/L	--	96	91	92	98	98
pH	STL00204	SU	--	8.01 J	8.08 J	8.2 J	8.27 J	8.25 J
Total Dissolved Solids	STL00242	mg/L	--	340	330	370	280	290
Total Hardness	STL00009	mg/L	--	430	440	340	190	180
Total Suspended Solids	STL00161	mg/L	--	3000	2900	3200	180 J	660 J

Bold - Bolded results identify a detected value.

Highlighted Identifies detection that exceed the PCL (minimum of listed screening values)

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Analyte	CAS.NO	Units	Location	SJMH	SJMH	SJMH	SJSR	SJSR		
			Sample ID	SJMH-080915-11	SJMH-081015-11	SJMH-081115-11	SJSR-080815-11	SJSR-080915-11		
			Date	8/9/2015	8/10/2015	8/11/2015	8/8/2015	8/9/2015		
			Sample Time	19:05	11:35	10:35	19:34	12:35		
			Latitude	37.14999	37.14999	37.14999	36.78162	36.78162		
Analyte			Longitude	-109.86628	-109.86628	-109.86628	-108.69278	-108.69278		
Metals, Dissolved										
Aluminum, Dissolved	7429-90-5	ug/L	--	< 24 U	31 J	24 J	610	1800		
Antimony, Dissolved	7440-36-0	ug/L	--	< 0.4 U	< 0.4 UJ	< 0.4 U	< 1 UJ	< 0.4 U		
Arsenic, Dissolved	7440-38-2	ug/L	--	2	1.6	0.88 J	0.84 J	0.8 J		
Barium, Dissolved	7440-39-3	ug/L	--	130	150	65	68	81		
Beryllium, Dissolved	7440-41-7	ug/L	--	< 0.15 U	< 0.15 U	< 0.15 U	< 0.4 U	< 0.15 U		
Cadmium, Dissolved	7440-43-9	ug/L	--	< 0.043 U	< 0.043 U	< 0.043 U	< 0.1 U	< 0.043 U		
Calcium, Dissolved	7440-70-2	ug/L	--	56000	51000	46000	50000	51000		
Chromium, Dissolved	7440-47-3	ug/L	--	< 1 U	< 1 U	< 1 U	< 2 U	1.2 J		
Cobalt, Dissolved	7440-48-4	ug/L	--	0.31 J	1.7	2.6	0.29 J	0.67		
Copper, Dissolved	7440-50-8	ug/L	--	2.8	2.6 J+	2.4	2.1	4		
Iron, Dissolved	7439-89-6	ug/L	--	< 17 U	< 17 U	< 17 U	360	1300		
Lead, Dissolved	7439-92-1	ug/L	--	< 0.06 U	< 0.06 U	0.084 J	0.51	2.7		
Magnesium, Dissolved	7439-95-4	ug/L	--	8500	8000	5300	6400	6500		
Manganese, Dissolved	7439-96-5	ug/L	--	< 1.2 U	3.1	4.7	13	32		
Mercury, Dissolved	7439-97-6	ug/L	--	< 0.08 U	< 0.08 U	< 0.08 U	< 0.2 U	< 0.08 U		
Molybdenum, Dissolved	7439-98-7	ug/L	--	2.4 J	2.5 J-	2	1.6 J	1.5 J		
Nickel, Dissolved	7440-02-0	ug/L	--	1.4	1.5	1.3	1.4	1.8		
Potassium, Dissolved	7440-09-7	ug/L	--	4400	3900	3100	2600	2900		
Selenium, Dissolved	7782-49-2	ug/L	--	0.92 J	< 0.58 U	1.6 J	< 2 U	< 0.58 U		
Silver, Dissolved	7440-22-4	ug/L	--	< 0.1 U	< 0.1 U	< 0.1 U	< 1 U	< 0.1 U		
Sodium, Dissolved	7440-23-5	ug/L	--	44000	43000	37000	25000	26000		
Thallium, Dissolved	7440-28-0	ug/L	--	< 0.1 U	< 0.1 U	< 0.1 U	< 0.2 U	< 0.1 U		
Vanadium, Dissolved	7440-62-2	ug/L	--	7.9	7.3	1.8	2	3.4		
Zinc, Dissolved	7440-66-6	ug/L	--	< 2.8 U	< 2.8 U	< 2.8 U	5.1 J-	6.7 J		
Metals, Total										

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Aluminum, Total	7429-90-5	ug/L	--	180000	210000	110000	42000	43000
Antimony, Total	7440-36-0	ug/L	--	< 0.4 UJ	< 0.4 UJ	< 0.4 U	< 1 UJ	< 0.4 UJ
Arsenic, Total	7440-38-2	ug/L	--	21	22	22	7.2	9.9
Barium, Total	7440-39-3	ug/L	--	2300	2200 J	1000	640	630
Beryllium, Total	7440-41-7	ug/L	--	8.1	10	6.4	2.3	2.5
Cadmium, Total	7440-43-9	ug/L	--	< 0.22 U	0.62	0.29	0.19	< 0.086 U
Calcium, Total	7440-70-2	ug/L	--	480000	360000	99000	74000	74000
Chromium, Total	7440-47-3	ug/L	--	70	110	51	22	22
Cobalt, Total	7440-48-4	ug/L	--	55	59	42	17	18
Copper, Total	7440-50-8	ug/L	--	87	94 B	100	36	50
Iron, Total	7439-89-6	ug/L	--	85000	110000	86000	36000	40000
Lead, Total	7439-92-1	ug/L	--	85	90	82	32	70
Magnesium, Total	7439-95-4	ug/L	--	95000	83000	28000	16000	16000
Manganese, Total	7439-96-5	ug/L	--	3400	3500	1800	810	860
Mercury, Total	7439-97-6	ug/L	--	< 0.08 U	0.12 J	0.11 J	< 0.2 U	< 0.08 U
Molybdenum, Total	7439-98-7	ug/L	--	1.7 J-	2.4 J-	1	1.2 J	1.3 J-
Nickel, Total	7440-02-0	ug/L	--	110	120	50	22	22
Potassium, Total	7440-09-7	ug/L	--	46000	58000	18000	9500	9700
Selenium, Total	7782-49-2	ug/L	--	5.2 J	4.9 J+	4.5	1.3 J	0.6 J
Silver, Total	7440-22-4	ug/L	--	0.39 J	0.46 J	0.5 J	0.12 J	0.44 J
Sodium, Total	7440-23-5	ug/L	--	58000	51000	41000	28000	29000
Thallium, Total	7440-28-0	ug/L	--	1.4	1.6	1	0.43	0.46
Vanadium, Total	7440-62-2	ug/L	--	160	190	130	50	57
Zinc, Total	7440-66-6	ug/L	--	290 J-	290	250	100 J-	150 J-
General								
Alkalinity	STL00171	mg/L	--	110	110	97	94	95
pH	STL00204	SU	--	8.12 J	8.17 J	8.24 J	8.1 HF	8.11 J
Total Dissolved Solids	STL00242	mg/L	--	260	370	350	290	320
Total Hardness	STL00009	mg/L	--	1600	1200	360	250	250
Total Suspended Solids	STL00161	mg/L	--	8200	7400	4600	2600	1600

Bold - Bolded results identify a detected value.

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Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Analyte	CAS.NO	Units	Location	SJSR	SJSR
			Sample ID	SJSR-081015-11	SJSR-081115-11
			Date	8/10/2015	8/11/2015
			Sample Time	12:10	12:35
			Latitude	36.78162	36.78162
			Longitude	-108.69278	-108.69278
Metals, Dissolved					
Aluminum, Dissolved	7429-90-5	ug/L	--	< 24 U	< 24 U
Antimony, Dissolved	7440-36-0	ug/L	--	< 0.4 UJ	< 0.4 U
Arsenic, Dissolved	7440-38-2	ug/L	--	0.86 J	0.94 J
Barium, Dissolved	7440-39-3	ug/L	--	66	73
Beryllium, Dissolved	7440-41-7	ug/L	--	< 0.15 U	< 0.15 U
Cadmium, Dissolved	7440-43-9	ug/L	--	< 0.043 U	< 0.043 U
Calcium, Dissolved	7440-70-2	ug/L	--	48000	52000
Chromium, Dissolved	7440-47-3	ug/L	--	< 1 U	< 1 U
Cobalt, Dissolved	7440-48-4	ug/L	--	1.5	1.9
Copper, Dissolved	7440-50-8	ug/L	--	2 J+	1.7
Iron, Dissolved	7439-89-6	ug/L	--	< 17 U	< 17 U
Lead, Dissolved	7439-92-1	ug/L	--	< 0.06 U	< 0.06 U
Magnesium, Dissolved	7439-95-4	ug/L	--	5600	6500
Manganese, Dissolved	7439-96-5	ug/L	--	2.9	4
Mercury, Dissolved	7439-97-6	ug/L	--	< 0.08 U	< 0.08 U
Molybdenum, Dissolved	7439-98-7	ug/L	--	1.7 J-	1.6 J
Nickel, Dissolved	7440-02-0	ug/L	--	1.2	1.2
Potassium, Dissolved	7440-09-7	ug/L	--	2900	2800
Selenium, Dissolved	7782-49-2	ug/L	--	< 0.58 U	0.75 J
Silver, Dissolved	7440-22-4	ug/L	--	< 0.1 U	< 0.1 U
Sodium, Dissolved	7440-23-5	ug/L	--	30000	26000
Thallium, Dissolved	7440-28-0	ug/L	--	< 0.1 U	< 0.1 U
Vanadium, Dissolved	7440-62-2	ug/L	--	1.5	1.3
Zinc, Dissolved	7440-66-6	ug/L	--	< 2.8 U	< 2.8 U
Metals, Total					

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Aluminum, Total	7429-90-5	ug/L	--	81000	3100
Antimony, Total	7440-36-0	ug/L	--	< 0.4 UJ	< 0.4 U
Arsenic, Total	7440-38-2	ug/L	--	15	2.6
Barium, Total	7440-39-3	ug/L	--	830	240
Beryllium, Total	7440-41-7	ug/L	--	4.4	1.3
Cadmium, Total	7440-43-9	ug/L	--	0.22	0.16
Calcium, Total	7440-70-2	ug/L	--	84000	68000
Chromium, Total	7440-47-3	ug/L	--	40	1 J
Cobalt, Total	7440-48-4	ug/L	--	30	5.6
Copper, Total	7440-50-8	ug/L	--	70 B	13
Iron, Total	7439-89-6	ug/L	--	65000	1500
Lead, Total	7439-92-1	ug/L	--	62	9.9
Magnesium, Total	7439-95-4	ug/L	--	21000	8200
Manganese, Total	7439-96-5	ug/L	--	1300	500
Mercury, Total	7439-97-6	ug/L	--	0.1 J	< 0.08 U
Molybdenum, Total	7439-98-7	ug/L	--	1.4 J-	0.63 J
Nickel, Total	7440-02-0	ug/L	--	36	4.2
Potassium, Total	7440-09-7	ug/L	--	14000	3400
Selenium, Total	7782-49-2	ug/L	--	3.5 J+	0.6 J
Silver, Total	7440-22-4	ug/L	--	0.36 J	< 0.1 U
Sodium, Total	7440-23-5	ug/L	--	33000	26000
Thallium, Total	7440-28-0	ug/L	--	0.74	< 0.1 U
Vanadium, Total	7440-62-2	ug/L	--	100	9.8
Zinc, Total	7440-66-6	ug/L	--	180	24
General					
Alkalinity	STL00171	mg/L	--	95	93
pH	STL00204	SU	--	8.19 J	8.2 J
Total Dissolved Solids	STL00242	mg/L	--	330	290
Total Hardness	STL00009	mg/L	--	300	200
Total Suspended Solids	STL00161	mg/L	--	3300	1400

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Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

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